

# **Durham Rare Plant Register**

**2011**

**Covering VC66 and the Teesdale part of VC65**



**JOHN L. DURKIN MSc. MIEEM  
BSBI Recorder for County Durham  
25 May Avenue. Winlaton Mill, Blaydon,  
NE21 6SF**

**[durkinjl@aol.com](mailto:durkinjl@aol.com)**

## Contents

Introduction to the rare plants register

Notes on plant distribution and protection

The individual species accounts in alphabetical order

Site Index

First published 2010.

This is the 2011, second edition.

Improvements in the 2011 edition include-

- ❖ An additional 10% records, most of these more recent and more precise.
- ❖ One kilometre resolution maps for upland and coastal species. My thanks to Bob Ellis for advice on mapping.
- ❖ The “County Scarce” species are now incorporated into the main text.
- ❖ *Hieracium* is now included.
- ❖ This edition is “regionally aligned”, that is, several species which are county rare in Northumberland, but were narrowly rejected for the Durham first edition, are now included.
- ❖ There is now a site index.

Cover picture—Dark Red Helleborine at Bishop Middleham Quarry, its premier British site.

## **Introduction**

Many counties are in the process of compiling a County Rare Plant Register, to assist in the study and conservation of their rare species. The process is made easier if the county has a published Flora and a strong Biological Records Centre, and Durham is fortunate to have Gordon Graham's Flora and the Durham Wildlife Trust's "Recorder" system. We also have a Biodiversity project, based at Rainton Meadows, to carry out conservation projects to protect the rare species. The purpose of this document is to introduce the Rare Plant Register and to give an account of the information that it holds, and the species to be included. It is then hoped that this will act as a stimulus for local botanists to make special efforts to improve the database by recording these species. The register will be used to increase our understanding of the status and distribution of the rare species, and to aid and promote their conservation.

This account is based mainly on the "Flora and Vegetation of County Durham", the recording effort that has gone into the Botanical Society of the British Isles "Atlas 2000" project, and the considerable recent survey effort at the Durham Biodiversity Partnership. New records, amendments and updates would be very welcome.

## **Species Covered**

Two groups of vascular plant species are included. Firstly, the nationally rare species listed in the BSBI/IUCN list. These are classified as "Critically Endangered", "Endangered", "Near Threatened", "Rare", "Vulnerable" and "Scarce". Durham has an exceptionally large number of these, 136 in all, because of the importance of the Teesdale flora. These species are mainly those that were listed in the "Red Data Book" and in "Scarce Plants in Britain". These two publications give ecological information on the species covered, which will not be repeated here.

Secondly, to cover species of local rather than national importance, a species qualifies as "locally rare" if it has been recorded in three or less sites in the county or "locally scarce" species with less than 10 sites in the county. This would include about 100 species in Durham.

For the purposes of the current edition, I am excluding some casual, horticultural and/or introduced species, and some species that have not been recorded for some time. The lists would otherwise, for example, include many long-extinct ballast aliens.

"Critical" species of *Taraxacum* and *Rubus* are not included in this edition.

A "site" has also been defined as a "Wells" site. A "Wells" site is a floating kilometre square, so that, for example, most of the rare species in Hawthorn Dene have a single Wells site there, even though plants may be on both sides of a kilometre grid line or may be present in two "tetrads". The number of Wells sites gives a better indication of a plant's scarcity.

## **Information Given**

For all of BSBI/IUCN listed species and for some of the Locally Rare species the following details are given-

Common name  
Scientific Name  
National Status  
Local Status  
Range in Durham  
Significance of the Durham population.  
Site Records with location, recorder and year.  
Protection status of the current sites  
County map of locations

If appropriate for selected species-  
Photograph of typical local habitat  
Photograph of plant in local habitat.

## **Geographical Area**

The Durham Rare Plant Register covers the Watsonian Vice County of Durham, numbered as "66", plus the Teesdale area of VC65. The VC65 area is included because it is now part of the administrative county of Durham, and because the important Upper Teesdale National Nature Reserve is bisected by the VC boundary. This nationally important botanical area holds a large proportion of the British populations of a number of Red Data Book species, with most of these occurring on both sides of the Tees. The Upper Teesdale NNR also holds most or all of the English distribution of several species of predominantly Scottish distribution, such as Scottish Asphodel, Alpine Willowherb and Alpine Meadow Rue. Sites in VC65 are indicated as such in the text.

## **Contributors**

The Register is compiled by John Liam Durkin, from about 500,000 records including many extracted from "Recorder" by Keith Cunningham, from Gordon Graham's Durham Flora, from Andy McLay's survey of Gateshead district, from contributions from many recorders via the BSBI system, and from other written sources. These records have been compiled into the "Mapmate" recording system.

The *Alchemilla* species notes follow the text of articles written recently by Dr Margaret Bradshaw. Many of the Upper Teesdale records are, of course, also from Dr Bradshaw.

Photographs that have no credits are by John Durkin. Several high quality photographs were kindly provided by UKWildflowers.com, and are individually credited.



National Categories	
Critically Endangered	5
Endangered	14
Near Threatened	23
Rare	7
Scarce	50
Vulnerable	34
Total	133
Local Categories	
Locally rare	36
Locally scarce	75
Total	111

## Range

Where the range is given as “Upper Teesdale NNR”, this means that the entire range in Durham is within the National Nature Reserve. “Upper Teesdale” means Teesdale above Middleton, “Teesdale” means below Middleton. “Dales” means the plant occurs in the west of the county, in Teesdale, Weardale, and/or the Derwent Valley. “Lowland” covers the east of the county. “Both Limestones” means that the plant grows on both the Carboniferous Limestones of the west of the county, and the Magnesian Limestone of the east.



Oblong Woodsia, *Woodsia ilvensis* in Teesdale

# **The Species Accounts; Introduction**

## **Text**

The text is intentionally brief, and usually summarises distribution and highlights any trends. More details of historic records and recorders can be found in the Durham Flora. More details of the biology of these species can be found in the Vascular Plants Red Data Book and in Scarce Plants in Britain.

The species are listed in Stage 3 alphabetical order.

## **The Records**

For each species, a table of the most recent record for each grid reference is given. The grid references vary considerably in definition- most are to the nearest 100m, a few are only to 1 kilometre, and many of the most recent are GPS readings accurate to less than 10 metres. In time, all of the modern records will be at 10 metre accuracy, unless there is a good reason for not publicising this.

For most taxa, only records since 1970 are listed.

Some of tables are quite large, particularly for *Sesleria* and for the *Alchemillas*. The option of excluding these tables in favour of a map and description was rejected. Though they take up a lot of space, they reflect the importance of Durham for rare species.

## **Protected Status of Sites**

Each row in the tables of records is background coloured according to the protected status of the site-

- Most of the records are from NNRs and SSSIs, and are uncoloured/white.
- Local Wildlife Sites, formerly known as County Wildlife Sites or Sites of Nature Conservation Importance, are coloured in green.
- Sites with no protected status are coloured red, for danger !

There are several uncertainties here. Some records, particularly older ones, could be inside or outside the designated site. For most of the LWSs, there are not easily accessible, up to date boundary maps. LWSs are currently being reviewed by local authorities, so there may be changes in the pipeline.

In this first assessment, about 60% of the listed records are in SSSIs/NNRs. Just under 20% are in Local Wildlife Sites, and just over 20% are in sites with no designation.

Being within a designated site is not the whole picture for the conservation of a rare species, but it's a good start. There are some discrepancies in the protection afforded to different species, and these are highlighted below and in the species accounts.

## Recorders

Some of the recorders' names have been abbreviated-

CNFC	Cleveland Naturalists Field Club
DTNFC	Darlington and Teesdale Naturalists Field Club
DWT	Durham Wildlife Trust
GGG	Rev. Gordon Graham
JWHH	Professor J W Heslop Harrison
NCC	Nature Conservancy Council
NNU	Northern Naturalists Union

## The Maps

Many of the species are mapped at tetrad level. Solid dots are records since 1990, open dots are older records, from all periods. Sometimes this shows quite distinct declines in the distribution of a species- see, for instance, *Primula farinosa* and *Astragalus danicus*. In the rare cases of expanding ranges, this is covered in the text.

Species with a distribution solely in the west "NY" part of the county or in the eastern part of County Durham are mapped with larger scale maps of the relevant part of the county, and on a one kilometre square basis, again with solid dots showing records since 1990. These maps also show the rivers, reservoirs and land over 600 metres.

## Significant Populations

Durham has significant populations of a number of nationally rare and scarce species-

Species		Proportion in Durham
<i>Alchemilla acutiloba</i>	Starry Lady's Mantle	100%
<i>Alchemilla glomerulans</i>	Clustered Lady's Mantle	More than 15%
<i>Alchemilla monticola</i>	Velvet Lady's Mantle	100%
<i>Alchemilla subcrenata</i>	Large-toothed Lady's Mantle	100%
<i>Bartsia alpina</i>	Alpine Bartsia	More than 30%
<i>Epipactis atrorubens</i>	Dark Red Helleborine	More than 60%
<i>Helianthemum oelandicum levigatum</i>	Teesdale Rockrose	100%
<i>Maianthemum bifolium</i>	May Lily	More than 30%
<i>Minuartia stricta</i>	Teesdale Sandwort	100%
<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	About 70%
<i>Saxifraga hirculus</i>	Marsh Saxifrage	More than 50%
<i>Sesleria caerulea</i>	Blue Moor Grass	More than 20%
<i>Viola rupestris</i>	Teesdale Violet	More than 30%

### Significant Sites

Several sites within the county have numbers of nationally rare and scarce species. The Upper Teesdale NNR is large and species-rich, and is easily the best area in the county for these species, and perhaps the best in England.

Area	Status	Rare & Scarce Species
Upper Teesdale	NNR/SSSI	46
Durham Coast	NNR/SSSI	14
Castle Eden Dene	NNR	7
Thrislington	NNR	6
Cassop Vale	NNR	6
Winch Bridge Crag	No status (see below)	5
Hawthorn Dene	SSSI	5
Bishop Middleham Quarry	SSSI	4
Other SSSIs	SSSI	1 or 2.



Upper Teesdale, confluence of the River Tees and the Harwood Beck



## Deficient Site Protection

Several species have site protection which seems inadequate for their status. The most notable are Rock Whitebeam *Sorbus rupicola* and May Lily *Maianthemum bifolium*.

The main site for Rock Whitebeam, with two thirds of its North Pennine population, has no protection at all, though the cliffs on which it grows also have four other RPR species; *Sesleria caerulea*, *Asplenium pachyrachis*, *Potentilla fruticosa* and *Juniperus communis*.

The only site for May Lily is just a Local Wildlife Site, with the boundary drawn too tightly around the plant's location, so that it could easily be adversely affected by forestry operations nearby. *Crepis mollis* is found in the adjoining woodlands.

Several species, notably Wood Barley, Downy Currant, Dog Violet, Greater Butterfly Orchid and Intermediate Wintergreen are well covered at the Local Wildlife Site level, but lacking in SSSI sites. The Intermediate Wintergreen LWSs in Hamsterley Forest are drawn too tightly around the currently known locations.



**The county's least protected rare species site, the Rock Whitebeam cliffs at Winch Bridge.**

## Local Authority areas

Most of the area covered in this register lies in the modern county of Durham. There are also six smaller local authority areas, in the more urban areas. These are Gateshead, South Tyneside, Sunderland, Hartlepool, Stockton and Darlington. Each has its own selection of plants that are national and county rarities.

### South Tyneside

#### National

- Blue Moor Grass *Sesleria caerulea* and Purple Milk Vetch *Astragalus danicus* are found on several magnesian limestone sites, though the latter seems to have declined.
- Perennial Flax *Linum perenne* is abundant at its longestablished Harton Downhill site, and occasional on the nearby coastal cliff grasslands.
- Tubular Water Dropwort *Oenanthe fistulosa* is frequent at its Boldon Flats site, and has established well at several other sites where it was introduced by transplanting Boldon Flats turves around 1990.
- Wall Germander *Teucrium chamaedrys* has been known for over a century at Marsden Old Hall Quarry.

#### County

- Sea Spleenwort *Asplenium marinum* is locally frequent on the sea cliffs at Marsden and Whitburn, with about half of its county population here.
- Water Chickweed *Myosoton aquaticum* has its only county site at Temple Park.

All of these sites with national or county rarities are SSSIs or LWSs.

### Sunderland

#### National

- Blue Moor Grass *Sesleria caerulea*, Pale St Johns Wort *Hypericum montanum*, Frog Orchid *Dactylorhiza viride* and Purple Milk Vetch *Astragalus danicus* are found on several magnesian limestone sites.
- Dark Red Heleborine *Epipactis atrorubens* was formerly recorded at High Moorsley, a site which has subsequently been in unfavourable management.
- Downy Currant *Ribes spicatum* is present at Herrington Hill Wood.
- Good King Henry *Chenopodium bonus-henricus* has several records.

#### County

- Common Broomrape *Orobanche minor* is present at two brownfield sites.

All of these sites with national or county rarities are SSSIs or LWSs.

## Gateshead National

- Wood Barley *Hordelymus europaea* and Downy Currant *Ribes spicatum* are both present, in a number of woodlands, particularly in the ancient semi-natural woods of the Derwent Valley.
- Narrow-lipped Helleborine *Epipactis leptochila* grows on the banks of the River Tyne between Wylam and Clara Vale. This is the only county site.
- Annual Knawel *Scleranthus annuus* grows on sandy soils around Pathhead Quarry. This is the only county site.
- Stag's Horn Clubmoss *Lycopodium clavatum* grows on two lowland heath sites, at Gibside and at the Tanfield Railway.
- White Mullein, *Verbascum thapsus*, grows at Tyne Yard railway sidings.
- Field Garlic *Allium oleracium* is occasional at Wylam and Ryton Willows.
- Good King Henry *Chenopodium bonus-henricus* has several records.

## County

- Sheeps Bit *Jasione montana* has a precarious existence at its only site in North East England, on the edge of a sand quarry.
- Southern Marsh Orchid *Dactylorhiza praetermissa* can still just be detected at one of its two county sites, though the majority of orchids here are now hybrids with other *Dactylorhiza* orchids.
- Common Broomrape *Orobanche minor* is sometimes frequent in a field adjacent to former sand quarries.
- Knotted Hedge Parsley *Torilis nodosa* was recorded from a churchyard in east Gateshead.
- Royal Fern *Osmunda regalis* has been re-introduced to its historic site at Lintzford Wood. This is the only county site.
- Greater Bladderwort *Utricularia vulgaris* has been known from the Glebe Pond, at Ryton Willows SSSI, for 200 years, and at Stargate Ponds more recently

All of these sites with national or county rarities are SSSIs or LWSs, with the exception of Common Broomrape, Knotted Hedge Parsley, and White Mullein.



## Hartlepool National

- Purple Milk Vetch *Astragalus danicus* is found on several magnesian limestone and coastal sites.
- Dune Helleborine *Epipactis dunensis*, and Spring Cinquefoil *Potentilla tabermontani* are present at Hart Warren. For both of these species, this is the only county site. Burnt Orchid *Neottinea ustulata* is also present at Hart Warren, one of only two county sites.
- Tubular Water Dropwort *Oenanthe fistulosa* and *Viola canina* are present near the mouth of Crimdon Dene. The violet has also been recorded from Sunderland Lodge Wood.
- Birds Eye Primrose *Primula farinosa* grows at Beacon Hill.
- Pale St Johns Wort *Hypericum montanum* grows on the Hart Warren Railway Embankment.
- Frog Orchid *Dactylorhiza viride* grows at Hart Station.
- *Atriplex longipes x prostrata* has been recorded at Greatham Marsh.
- Sea-heath *Frankenia laevis* has been reported from the edge of Seal Sands. This has yet to be confirmed. This would be the only site in the region.
- Sand Soft Brome *Bromus hordelymus thominii* has been recorded from North Gare.

## County

- Tufted Sedge *Carex elata* has been recorded at Black Wood Marsh, High Stotfold and Elwick Hall.
- Long-bracted Sedge *Carex extensa* has been recorded at Hartlepool Slake.
- Slender Spike-rush *Eleocharis uniglumis* has been recorded in the area around Seal Sands.
- Common Gromwell *Lithospermum officinale* grows at Hart Warren and around Crimdon Denemouth.
- Field Gromwell *Lithospermum arvense* grows at Hart Warren.
- Almond Willow *Salix triandra* has been recorded from the Wynyard Estate.



- Wild Clary *Salvia verbenacea* has been known for many years around the Horseshoe Tunnel area. This is the only county site.
- Knotted Hedge Parsley *Torilis nodosa* has been recorded at Greatham.
- Spring Vetch *Vicia lathyroides* has been recorded at Seaton Sands, and there are older coastal records from north of Hartlepool. These are the only recent county sites.
- Southern Marsh Orchid *Dactylorhiza praetermissa* has been recorded at Seaton Sands, one of only two county sites.
- Sea Holly *Eryngium maritimum* has re-colonised North Sands, after an absence of 60 years.

All of these sites with national or county rarities are SSSIs or LWSs, except for Sea Heath and Slender Spike-rush.

## Stockton

For historic reasons, this account only covers the area north of the River Tees.

## National

- Purple Milk Vetch *Astragalus danicus* has been recorded at Greenabella Marsh.
- Frog Orchid *Dactylorhiza viride* has several records for Billingham Bottoms, though none are recent.
- Common Cudweed *Filago vulgaris* has been recorded from further up the Billingham Beck Valley.
- Tubular Water Dropwort *Oenanthe fistulosa* has several records from the Billingham Beck/Billingham Bottoms area.
- *Atriplex longipes x prostrata* has been recorded at Greatham Marsh and in the former bed of the Old Tees near the barrage.
- Field Garlic *Allium oleracium* is occasional on the banks of the Tees.
- Good King Henry *Chenopodium bonus-henricus* has several records.

## County

- Clustered Bellflower *Campanula glomerata* has been recorded at Thorpe Thewles, though few if any of the County's records of this plant are native sites.
- Knotted Hedge Parsley *Torilis nodosa* is found at several places at Cowpen Marsh.
- Slender Spike-rush *Eleocharis uniglumis* has been recorded in the area around Seal Sands.
- Orpine *Sedum telephium* grows at Urray Nook.

All of these sites with national or county rarities are SSSIs or LWSs, except for *Atriplex longipes x prostrata* and Orpine.

## Darlington National

- Tubular Water Dropwort *Oenanthe fistulosa* is present at Hell Kettles ponds.
- Downy Currant *Ribes spicatum* grows at the Tees Banks Woods at Coniscliffe.
- White Mullein, *Verbascum thapsus*, grows on the old Stockton-Darlington railway track.
- Narrow-fruited Cornsalad *Valerianella dentata* was recorded at Low Goosepool in 1974.
- Field Garlic *Allium oleracium* has been recorded at Heighington.
- Good King Henry *Chenopodium bonus-henricus* has several records.

## County

- Common Broomrape *Orobanche minor* has been recorded at two former railway brownfield sites.
- Great Fen Sedge *Cladium mariscus* has been present at Hell Kettles, its only county site, for at least 200 years.
- Slender Spike-rush *Eleocharis uniglumis* is another species found at the very rich Hell Kettles SSSI.
- Brookweed *Samolus valerandii* has been recorded at Low Dinsdale. Though not recorded recently, it may still be there.
- Almond Willow *Salix triandra* has, like the Native Black Poplar, its centre of distribution in the Darlington area. There are three sites, at Willow Beds, Summerhouse; by the roadside at Piercebridge; and at Newton Ketton village.

All of these sites with national or county rarities are SSSIs or LWSs, except for White Mullein, one of the two Common Broomrape sites, Field Garlic, and two of the three Almond Willow sites.

# **The Species Accounts, Alphabetical List**

White background =SSSI, Green =LWS, Red = no status



**Birds Eye Primroses. Photo by Terry Coult**

## *Alchemilla acutiloba* Starry Lady's Mantle

National Status      Vulnerable  
County Status        Declining

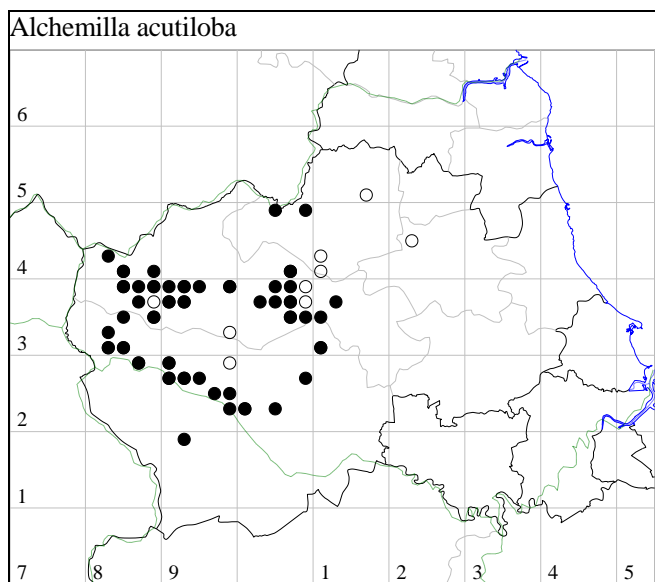
The account of this species follows the text of a recent review by Margaret Bradshaw.

*A. acutiloba* is a Northern Montane European species that grows in Teesdale and in Weardale. It has been known to be in Teesdale since 1946 but was not collected in Weardale until 1951 when Bradshaw found a dense colony, determined by Walters, on the disturbed ground near the new Burnhope reservoir dam.

In the 1950s it was very frequent in some meadows and on road and rail verges in Weardale but not as common in these habitats in Teesdale. It is also known in a scatter of sites, mostly roadsides to the east and north. Curiously, it has never been found south of the Tees.

Since the mid 20<sup>th</sup> century this species has become much scarcer in both Dales. In the meadows, the records of *A. acutiloba* in Teesdale have been reduced from 20 visited sites (of 27 originally identified) to 16 and in Weardale from 164 to 82, losses of 20% and 50% respectively.

These losses amount to 80% overall. There have been even greater losses in both Dales from roadside and rail-side habitats and from certain meadows



### Teesdale sites

2001	NY840417	A689, High Burnt Hills, S verge	K Bowie, K Cunningham, Frank Daly.
2001	NZ117356	A689, near Mill Hills, N verge	K Bowie, K Cunningham, Frank Daly.
2001	NY840418	A689, opp Mount Pleasant, N verge	K Bowie, K Cunningham, Frank Daly.
2001	NY837420	A689, opp Mount Pleasant, S verge	K Bowie, K Cunningham, Frank Daly.
11-Jun-03	NY854311	B6277, S of Langdon Beck Bridge, east verge	K Bowie, K Cunningham, Frank Daly.
04-Jul-03	NY853310	B6277, S of Langdon Beck Bridge, west verge	K Bowie, K Cunningham, Frank Daly.
25-Jun-96	NY865396	Bellhill	Wigginton, Dr M.J.
12/07/06	NY8529	Harwood Beck	G Young
25-Jun-96	NY868395 NY869393	Blackdene	Wigginton, Dr M.J.
01/09/02	NY84003195	Bowes Close	M Bradshaw
24-Jul-99	NY905280	Bowlees	M Bradshaw
26/06/91	NY920271	Brockers Gill	GGG
09/09/03	NY91852725	Brockers Gill	M Bradshaw
Jun-89	NY921272	Brockers Gill Meadow	Graham, Rev G.G.
12/05/77	NZ114426	Broomshields Bridge	Graham, Rev G.G.
13-Jun-02	NY987241	Burncroft Farm, near retaining wall, south verge	K Bowie, K Cunningham, Frank Daly, John Durkin.
07-Jul-05	NY85333868	Causeway Road	Jane Young
22/08/00	NZ07103573	Chatterley	M Bradshaw
31-Jul-07	NZ127360	Coal Road	K Cunningham
28/06/02	NY84924150	Cornriggs	M Bradshaw
30-Jun-09	NY846416	Cornriggs Meadows SSSI	Baines, Miriam



23-Jun-08	NZ064358	Towdy Potts, edge of meadow	J O'Reilly & Fiona Corby
29/06/07	NZ00892232	Eggleston	K Cunningham
31-Jul-99	NZ00902321	Eggleston	M Bradshaw
30-Jul-99	NZ00552345	Eggleston	M Bradshaw
	NZ00952320		
	NZ01002315		
12/06/67	NZ006234	Eggleston	Sell, P.D.
30/08/99	NY97812468	Eggesburn	M Bradshaw
31-Jul-99	NY98252450	Eggesburn	M Bradshaw
18/06/07	NY915375	Field Head	John O'Reilly
	NY915377		
	NY916376		
	NY916377		
	NY917376		
	NY917377		
Jun-90	NZ011230	Folly Top	GGG
Jun-89	NZ012231	Folly Top	GGG
21/06/00	NZ01502265	Folly Top	M Bradshaw
11-Jun-05	NY9318	Hannah's Meadows SSSI	Cleveland Naturalists Field Club
2009	NY82733324	Harwood	Natural England
16-Jun-00	NY85973030	Harwood Beck	M Bradshaw
28/06/02	NY84734162	Heathery Cleugh	M Bradshaw
13-Jul-07	NY850418	High Greenfield	John O'Reilly
17-Jul-07	NY879381	High Prys	J O'Reilly
26-Jun-96	NY829315	Honey Pot	Wigginton, Dr M.J.
08/10/06	NZ05102264	Kinninvie	M Bradshaw
08/10/06	NZ05102265	Kinninvie	M Bradshaw
30-Jun-00	NY85303113	Langdon Beck	M Bradshaw
2009	NY841319	Langdon Beck	Natural England
26-Jun-96	NY853312	Langdon Beck	Wigginton, Dr M.J.
2000	NY85603450	Langdon Common	M Bradshaw
11-Jul-08	NY859392	Low Rigg meadow	Fiona Corby
17-May-02	NY963255	Low Thatch Lea, north verge	K Bowie, K Cunningham F Daly, J Durkin.
18-Jun-07	NY996382	Meadow nr Bushy Flat	John O'Reilly

2001	NY885405	Middlehope Bank, north verge	K Bowie, K Cunningham Frank Daly.
27-Jun-05	NY95052728	High Dyke to Middle End	Jane Young
31-Jul-99	NY97052550	Middleton in Teesdale	M Bradshaw
25-Jun-96	NY871391	Newhouse	Wigginton, Dr M.J.
12-Jul-05	NY86793938	Newhouse to Burtreeford Road	Jane Young
12-Jul-06	NY8629	River Tees, up-river from Cronkley Bridge	Ann & Gordon Young
03/06/08	NY909389	Road verge Scutter Hill	John O'Reilly
20/06/02	NY969255	Stotley Hall, north verge E of metalled road.	K Bowie, K Cunningham F Daly, J Durkin.
17/05/02	NY982244	Toby Hill Farm, entrance, S verge	K Bowie, K Cunningham F Daly, J Durkin.
26/06/09	NY8409631936	Verge E of Greenhills	John O'Reilly
08/07/92	NY990238	Eggleston	GGG
1976	NY8330	Widdybank Pasture	Graham et al, Rev G.G.
1991	NY917273	West Brockers Gill	Graham, Rev G.G.
1999	NY91822721	West Brockers Gill	M Bradshaw
09/09/03	NY90452795	Winch Bridge	M Bradshaw

## Wear Sites

		A689, W of Stanhope, south verge	K Bowie, Keith Cunningham Frank Daly.
2001	NY985394		
2000	NZ10203149	Bedburn	M Bradshaw
2000	NZ10893142	Bedburn	M Bradshaw
24-Jul-99	NZ10853140	Bedburn	M Bradshaw
16-Jun-08	NZ038363	Broadwood Quarry	John O'Reilly
25-Jun-96	NY932376	Brotherlee	Wigginton, Dr M.J.
22-Aug-00	NZ07453535	Doctor's Gate	M Bradshaw
1977	NY9932	Eastgate	GGG
24-Aug-00	NY94103805	Eastgate	M Bradshaw
2000	NY94103807	Eastgate	M Bradshaw
2000	NY94273808	Eastgate	M Bradshaw
24-Aug-00	NY94303808	Eastgate	M Bradshaw
24-Aug-00	NY94353812	Eastgate	M Bradshaw
25-Jun-96	NY932382	Eastgate	Wigginton, Dr M.J.
2000	NZ10023048	Hamsterley	M Bradshaw
02-Aug-03	NZ100305	Hamsterley	M Bradshaw
29/05/00	NZ101306	Hamsterley	M Bradshaw
2000	NZ11003100	Hamsterley	M Bradshaw
24-Jul-99	NZ11203135	Hamsterley	M Bradshaw
2000	NZ11203137	Hamsterley	M Bradshaw
24-Jul-99	NZ11303135	Hamsterley	M Bradshaw
18-Jun-07	NY910378	Haswicks	J O'Reilly
18-Jun-07	NY911379	Haswicks	J O'Reilly
17-Jun-06	NY848384	Ireshopeburn	M Bradshaw
01/05/07	NY852389	Ireshopeburn	M Bradshaw
24-Jun-00	NY86583890	Ireshopeburn	M Bradshaw
28-Aug-99	NY869378	Ireshopeburn	M Bradshaw
24-Jun-00	NY84154170	Lanehead	M Bradshaw
24-Jul-07	NZ046490	Muggleswick Woods, Derwent	John O'Reilly
02/09/10	NZ087385	Redgate Quarry	A McLay
05-Jul-07	NZ08603411	Shull	K Cunningham
1975	NZ073344	St Johns Hall	GGG
2000	NY86913738	St John's Chapel	M Bradshaw
	NY87563746		
	NY88733812		
24-Jun-00	NY87303835	St John's Chapel	M Bradshaw
24-Jul-99	NY87553740	St John's Chapel	M Bradshaw
	NY886383		
	NY87973822		

	NY88753810		
	NY88603845		

09-Sep-03	NY88603830	St John's Chapel	M Bradshaw
31/05/79	NY991395	Stanhope	Burnip, M.
10-Jun-00	NY89603452	Swinhope Burn	M Bradshaw
09-Sep-06	NY89573462	Swinhope Burn	M Bradshaw
2002	NY89583455	Swinhope Head	M Bradshaw
	NY89583460		
1979	NY922377	Swinhope Burn	Burnip, Mrs M.
19-Aug-97	NZ064408	Tunstall Reservoir	Graham, Rev G.G.
25-Jun-96	NZ063408	Tunstall Reservoir	Wigginton, Dr M.J.
25-Jun-96	NZ074377	Waskerley Burn	Wigginton, Dr M.J.
21/05/04	NZ0948	Waskerley Way, Rowley to Hownsgill	Northern Naturalists' Union Meeting
24-Jun-00	NY85413948	Wearhead	M Bradshaw
24-Jun-00	NY85503948	Wearhead	M Bradshaw
24-Jun-00	NY85573955	Wearhead	M Bradshaw
29/05/00	NY85453949	Wearhead	M Bradshaw
29/05/00	NY85533952	Wearhead	M Bradshaw
2000	NY86603900	West Blackdene	M Bradshaw
	NY86653951		
	NY86733948		
	NY86803931		
27-Jul-99	NY86653955	West Blackdene	M Bradshaw
	NY86753950		
30-Jul-99	NY86803935	West Blackdene	M Bradshaw
17-Aug-76	NZ106411	B6296 verge	Burnip, M.
1978	NY934378	Western-hope	Stevenson C.R.
1999	NY92353800	Westgate	M Bradshaw
30-Aug-99	NY91153785	Westgate	M Bradshaw
30-Aug-99	NY91173790	Westgate	M Bradshaw
03-Sep-99	NY91103785	Westgate	M Bradshaw
	NY91533779		
	NY91703777		
	NY918377		
2000	NY91153788	Westgate	M Bradshaw
07-Jun-00	NY90903801	Westgate	M Bradshaw
	NY91003907		
	NY91173785		
24-Aug-00	NY90853880	Westgate	M Bradshaw

	NY90973869		
	NY91003905		
	NY91003915		
	NY91243788		
	NY92553802		
09-Sep-03	NY91153795	Westgate	M Bradshaw
09-Sep-03	NY91603770	Westgate	M Bradshaw
05/05/77	NZ0836	Wiserley Hall	Burnip, M.
May-78	NZ235455	Witton Gilbert	M Bradshaw
2000	NZ06713829	Wolsingham	M Bradshaw
	NZ07203619		
	NZ07273570		
2002	NZ07493530	Wolsingham	M Bradshaw
05/05/77	NZ087371	Wolsingham	M Bradshaw
03-Sep-99	NZ05723820	Wolsingham	M Bradshaw
	NZ06753828		
	NZ07053838		
	NZ072382		
16/05/00	NZ06753825	Wolsingham	M Bradshaw
	NZ06953810		
22-Aug-00	NZ05253680	Wolsingham	M Bradshaw
	NZ05553683		
	NZ07233620		
	NZ07503685		
	NZ07623795		
	NZ07623812		
09-Sep-03	NZ06903820	Wolsingham	M Bradshaw
	NZ07603795		
	NZ07603810		
02-Aug-03	NZ08502725	Woodland	M Bradshaw

***Alchemilla filicaulis filicaulis***  
**Slender Lady's Mantle**

National Status        None  
County Status        Rare

17 Jun 2006	NY9012 2495	Crooks o' Green Fell	Robson, Craig
-------------	----------------	-------------------------	---------------

## *Alchemilla glomerulans* Clustered Lady's Mantle

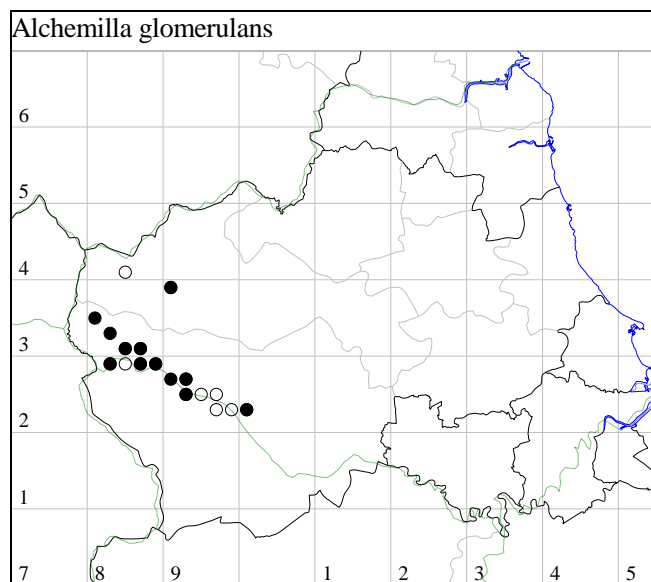
National Status      Vulnerable  
County Status        Declining

The account of this species follows the text of a recent review by Margaret Bradshaw.

This species has an Arctic–Alpine distribution, in Scotland mostly above 615m and in the North of England near to the southern limit of its distribution as low as 250m. Walters found *A. glomerulans* when he visited Teesdale in 1947, it is now known in meadows, meadow-type vegetation by the Tees and hill grassland up to 676m in VC 69 and also in four adjacent meadows in Teesdale which were not included in the original survey and in a meadow and on a verge in VC 70. It was found by Bradshaw in one meadow and on a nearby railway cutting in Weardale in the 1950s and it is still at the latter site.

The main areas of distribution of *A. glomerulans* are in Scotland where it is scarce. In England it is on the southern fringe of its range. It is absent from the Lakes and has become scarcer in both Craven and the Durham Dales. The loss of the Pennine plants would constitute a serious contraction of its range.

Like the meadow species the records of *A. glomerulans* in Teesdale have decreased, from 74 in the 1950s to 14 (including 4 recent finds in a group of fields not covered in the original survey), a loss of 82%. In Weardale it has gone from the meadow leaving just the railway cutting site, a loss of 50%. Some losses are from meadows, one due to ploughing, but it is the sites, usually with single plants, in close grazed hill pastures that have decreased the most.



Photographed in County Durham  
by UKWildflowers.com

### Weardale Site

16-Oct-00	NY90903801	Westgate	M Bradshaw
-----------	------------	----------	------------

## Teesdale Sites

09/09/03	NY93602550	Breckholm	M Bradshaw
29-Aug-02	NY83722956	Cronkley Scar	M Bradshaw
2009	NY808341	Dale Head	Natural England
02-Jun-79	NY937258	Dent Bank	M Bradshaw
14-Jun-00	NY93302634	Dent Bank	M Bradshaw
09-Sep-03	NY93302620	Dent Bank	M Bradshaw
09-Sep-03	NY93602590	Dent Bank	M Bradshaw
13-Jun-67	NY938259	Dent Bank	Sell, P.D.
08-Jun-00	NY93152615	Dent Bank	M Bradshaw
	NY933261		
	NY933262		
2009	NY863308	East Under Hurth	Natural England
	NY864308		
08-Jun-62	NY97902375	Egglesburn Bridge	M Bradshaw
08-Jun-62	NY99952335	Eggleston	M Bradshaw
20-Sep-91	NZ001234	Eggleston Burn	M Bradshaw
19-Jun-62	NY9923	Eggleston roadside, between bridge and village	Sykes, Mrs M.
22-Jun-62	NY88902835	Ettersgill	M Bradshaw
12-Jun-04	NY87752835	Force Garth	M Bradshaw
17-Jul-03	NY88022872	Force Garth	M Bradshaw
08-Jun-00	NY88052855	Force Garth	M Bradshaw
	NY87982858		
09-Sep-03	NY88052860	Force Garth	M Bradshaw
10-Jun-04	NY87752840	Force Garth Pasture	M Bradshaw
12/05/71	NY999228	Great Wood Eggleston	Graham et al, Rev G.G.
	NZ001227		
20-Jun-00	NY8332	Harwood	Schober, M
27-Aug-07	NY88852828	Holwick Head Bridge	M Bradshaw
20-Jun-02	NY89052830	Holwick Head Bridge	M Bradshaw
28-Jun-02	NY89952825	Holwick Head Bridge	M Bradshaw
08-Jun-62	NY978237	Icaron Beck Mickleton	M Bradshaw
12/07/06	NY8530	Harwood beck	G Young
21-Jun-99	NY8531	Langdon Beck bridge, near	Jones, Vincent
04-Jun-08	NY909273	Meadow by River Tees	John O'Reilly
08-Jun-00	NY935262	Middleton in Teesdale	M Bradshaw
	NY93592593		
07-Jun-00	NY93602555	Middleton in Teesdale	M Bradshaw
	NY93682553		

16-Oct-00	NY93682595	Middleton in Teesdale	M Bradshaw
02-Jun-81	NY858400	Sedlington Farm, Cowshill	Graham, Rev G G.
1997	NY929269	Woodside Farm	Sykes, M.
09-Sep-03	NY86303090	West Under Hurth	M Bradshaw
31-May-07	NY83842990	Widdybank Farm	John O'Reilly
16-Jul-07	NY89822821	Winch Bridge	M Bradshaw
09-Sep-03	NY90452775	Winch Bridge	M Bradshaw



## *Alchemilla monticola* Velvet Lady's Mantle

National Status      Endangered  
County Status

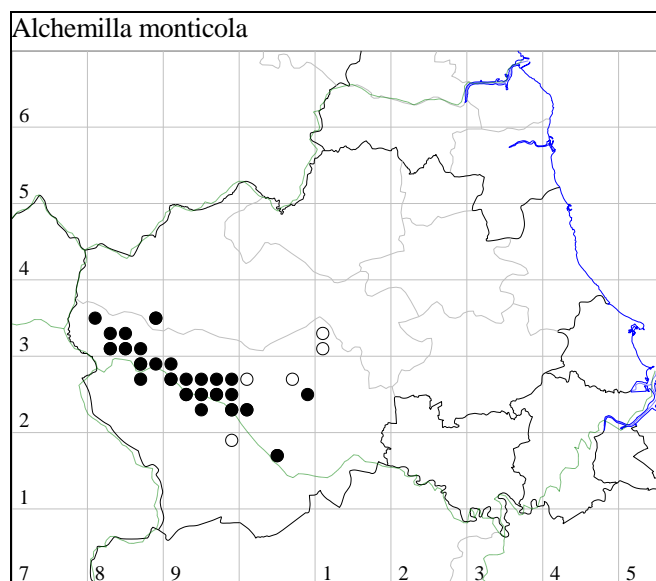
The account of this species follows the text of a recent review by Margaret Bradshaw.

*A. monticola* is a Northern Montane European species that grows in Teesdale and in Weardale.

The Teesdale presence of *A. monticola* was first known in 1922 and Walters (1947) found it to be frequent in meadows and on roadsides and this was still the case in the 1950s. In upper Weardale, Bradshaw found one colony on a verge in a side valley – still there in 2006 – and many plants to the east, around Hamsterley Village Green on the south side of the valley.

Since the mid 20<sup>th</sup> century this species has become much scarcer in both Dales. The records for *A. monticola* in Teesdale have declined from 330 to 63 and in Weardale all the 36 records at Hamsterley have been destroyed, due to tidying of the Green, but the very small colony of plants at the other Weardale site survive.

These losses amount to 97%. There have been even greater losses in both Dales from roadside and rail-side habitats and from certain meadows



Photographed in County Durham  
by UKWildflowers.com

### Teesdale Sites

01/09/02	NY84413186	B6277 Rdside W of Mile Post 14	Margaret Bradshaw
11/06/03	NY841319	B6277, adj to Greenhills road junction, N verge	Keith Bowie, Keith Cunningham Frank Daly.
04-Jul-03	NY834325	B6277, Bowes Close, NE verge.	K Bowie, K Cunningham Frank Daly.
11/06/03	NY853310	B6277, north of Langdon Beck Bridge, east verge	K Bowie, K Cunningham F Daly.
07-Jul-03	NY833326	B6277, NW of Bowes Close, NE verge above retaining wall	Keith Bowie, Keith Cunningham Frank Daly.
04-Jul-03	NY824336	B6277, NW of Peases Cottage, NE verge	K Bowie, K Cunningham F Daly.
04-Jul-03	NY830329	B6277, SE of Lingy Hill, NE verge.	K Bowie, K Cunningham F Daly.
11-Jun-03	NY854311	B6277, S of Langdon Beck Bridge, east verge	K Bowie, K Cunningham F Daly.
24/06/00	NY94702385	Bowbank	M Bradshaw

31/08/02	NY83403230	Bowes Close	M Bradshaw
09/09/03	NY83403236	Bowes Close	M Bradshaw
24/06/00	NY90102873	Bowlees	M Bradshaw
16/10/00	NY90502795	Bowlees	M Bradshaw
24-Jul-99	NY905280	Bowlees	M Bradshaw
09/09/03	NY93602550	Breckholm	M Bradshaw
31/05/73	NY917273	Brockers Gill	GGG
26/06/91	NY920271	Brockers Gill	GGG
09-Sep-03	NY91702710	Brockers Gill	M Bradshaw
	NY91852725	Meadow	
13-Jun-02	NY987241	Burncroft Farm, near retaining wall, S verge	K Bowie, K Cunningham F Daly, J Durkin.
2009	NY809340	Dale Head	Natural England
02/06/79	NY937258	Dent Bank	M Bradshaw
05-Jun-08	NY932263	Dent Bank	J O'Reilly
16-Oct-00	NY93202613	Dent Bank	M Bradshaw
	NY933261		
09-Sep-03	NY93252610	Dent Bank	M Bradshaw
	NY93302620		
14-Jun-00	NY93102615	Dent Bank	M Bradshaw
	NY93212655		
	NY93252630		
	NY93302634		
	NY934262		
	NY93452615		
	NY93522594		
	NY935262		
2009	NY863308	East Under Hurth	Natural England
	NY864308		
	NY864309		
08-Oct-06	NY97692480	Egglesburn Bridge	M Bradshaw
2002	NY98802403	Egglesburn Bridge	M Bradshaw
08-Jul-92	NY990238	Eggleston	GGG
22-Jul-99	NY983244	Eggleston	M Bradshaw
16/10/00	NY98802405	Eggleston	M Bradshaw
16/10/00	NY99952350	Eggleston	M Bradshaw
16/10/00	NZ00452355	Eggleston	M Bradshaw
16/10/00	NY98122545	Eggleston Burn	M Bradshaw
	NY98152452		
12/06/67	NZ006234	Eggleston	Sell, P.D.
20-Jul-03	NZ00222377	Eggleston Burn	M Bradshaw
06-May-06	NZ043172	Flatts Wood	Upper Teesdale Botany Group

Jun-90	NZ011230	Folly Top	GGG
27-Jun-96	NZ012231	Folly Top	Wigginton, Dr M.J.
26-Jun-96	NY823333	Force Foot	Wigginton, Dr M.J.
14-Jun-00	NY87702878	Force Garth	M Bradshaw
	NY879286		
	NY87982858		
	NY88052855		
15-Jun-00	NY87902876	Force Garth	M Bradshaw
17-Jul-03	NY877273	Force Garth	M Bradshaw
	NY87932850		
	NY88022872		
09/09/03	NY88052860	Force Garth	M Bradshaw
1204	NY87752835	Force Garth	M Bradshaw
10-Jun-04	NY87752840	Force Garth Pasture	M Bradshaw
22-Jun-00	NY86103032	Forest-in-Teesdale	M Bradshaw
09-Sep-03	NY86003030	Forest-in-Teesdale	M Bradshaw
	NY86652990		
	NY86803020		
2009	NY856302	Forest-in-Teesdale	Natural England
2009	NY82533347	Harwood	Natural England
	NY83043293		
01-Jul-03	NY82353250	Harwood Beck	Margaret Bradshaw
16-Jun-00	NY85973030	Harwood Beck	Margaret Bradshaw
20-Jun-02	NY977248	Heatherlea opposite view point car park, N verge.	K Bowie, K Cunningham Frank Daly, John Durkin.
04-Jun-08	NY903270	Holwick - road verge	John O'Reilly
22-Aug-00	NY85303115	Langdon Beck	M Bradshaw
2009	NY841319	Langdon Beck	Natural England
1977	NY854307	Langdon Beck	Wigginton, Dr M.J.
21/05/76	NZ108321	Low Burnlea	Moses, P.
26/06/09	NY8352831822	Meadow by beck SW of Greenhills	John O'Reilly
26-Aug-06	NY9619725172	Meadow east of Middleton	John & Clare O'Reilly
	NY962250		
30/06/09	NY8427232080	Meadow south of	John O'Reilly

	NY84292 32050	Red Wing	
	NY84255 32054		
26-Jun-09	NY83677 32036	meadow west of Greenhills	John O'Reilly
09-Jun-08	NY943254	Meadow west of Middleton	Fiona Corby
	NY944255		
24/06/00	NY93752630	Middle Side	M Bradshaw
26-Jun-96	NY931268	Middle Side	Wigginton, Dr M.J.
01-May-00	NY93522598	Middleton in Teesdale	M Bradshaw
14-Jun-00	NY936263	Middleton in Teesdale	M Bradshaw
16-Oct-00	NY93682553	Middleton in Teesdale	M Bradshaw
24-Jun-00	NY93692614	Middleton in Teesdale	M Bradshaw
	NY93702615		
	NY937261		
23-Jun-00	NY93682595	Middleton in Teesdale	M Bradshaw
	NY93732626		
09-Sep-03	NY96002520	Middleton in Teesdale	M Bradshaw
	NY96422515		
	NY96202525		
15-Jun-00	NY96212520	Middleton in Teesdale	M Bradshaw
	NY96252515		
	NY96352513		
	NY96452513		
	NY96452513		
	NY95952520		
16-Jun-00	NY96252505	Middleton in Teesdale	M Bradshaw
	NY96432507		
	NY96452510		
	NY98152788		
22-Aug-00	NY96722613	Middleton in Teesdale	M Bradshaw
16-Oct-00	NY93602555	Middleton in Teesdale	M Bradshaw
	NY97352520		
23-Jun-09	NY85843022	New House meadow	John O'Reilly
24/05/03	NY91702722	Newbiggin	M Bradshaw

2009	NY843318	Near Langdon Beck	Natural England
	NY843319		
	NY846317		
26-Aug-	NY957252	Pasture E of	John & Clare

06		Middleton	O'Reilly
2009	NY836320	Harwood Beck	Natural England
	NY839319		
02-Jul-09	NY82721 33254	Verge by Peases Cottage	John O'Reilly
02-Jul-09	NY82408 33324	Verge E of Force Foot	John O'Reilly
01-Jun-08	NY972264	Verge near Stotley Grange	J O'Reilly, M Bradshaw, L Robinson
02-Jul-09	NY82591 33444	Verge S of Hill Top	John O'Reilly
30-Jun-09	NY84830 31712	Verge south east of Red Wing	John O'Reilly
	NY84803 31734		
	NY84769 31738		
	NY84703 31762		
	NY84665 31776		
	NY84615 31804		
	NY84497 31860		
	NY84463 31872		
	NY84454 31876		
27-Jun-02	NY992224	Romaldkirk, north of Beer Beck, south verge	K Bowie, K Cunningham F Daly, J Durkin.
26/06/96	NY949275	Snaisgill	Wigginton, Dr M.J.
11/06/68	NY963251	West Stotley	Burnip, M.
30-Jun-00	NY96602623	Stotley Grange	M Bradshaw
	NY96722623		
16-Jun-00	NY96722625	Stotley Grange	M Bradshaw
27-Aug-07	NY96732629	Stotley Grange	M Bradshaw
20-Jun-02	NY969255	Stotley Hall, north verge E of metalled road.	K Bowie, K Cunningham Frank Daly, John Durkin.
	NY84095 31936		
	NY867299		
24/06/00	NY867299	West Blackdene	M Bradshaw
16/10/00	NY91822721	West Brockers Gill	M Bradshaw

27-Jun-07	NY876288	West Force Garth	John O'Reilly
20-Jun-02	NY963255	N verge W of West Stotley	K Bowie, K Cunningham F Daly, J Durkin.
24-Jul-99	NY85763075	West Underhurth	M Bradshaw
	NY862308		
16-Oct-00	NY858308	West Underhurth	M Bradshaw
09/09/03	NY85703080	West Underhurth	M Bradshaw
20-Jun-02	NY974251	Whistle Crag, north verge	K Bowie, K Cunningham F Daly, J Durkin.
1976	NY8330	Widdybank Pasture	GGG
09/09/03	NY90452795	Winch Bridge	M Bradshaw

### Weardale Sites

20-Aug-06	NZ084253	Meadow S of Copley	John & Clare O'Reilly
09-Sep-06	NY896344	Swinhope Burn	M Bradshaw
2000	NY89603442	Swinhope Head	M Bradshaw
11-Jun-03	NY843318	B6277, W of St Johns Chapel road junction, N verge.	Keith Bowie, Keith Cunningham Frank Daly.



## *Alchemilla subcrenata* Large-toothed Lady's Mantle

National Status      Endangered  
County Status      Declining

The account of this species follows the text of a recent review by Margaret Bradshaw.

*A subcrenata* is the scarcest of the four Northern Montane European species of *Alchemilla vulgaris* agg found in Britain. It was first discovered in 1951 by Bradshaw near Newbiggin-in-Teesdale and identified by Walters. Its main area of distribution is restricted to Newbiggin and Holwick in Teesdale. In 2007 a few plants were found in a meadow near Allendale, in Northumberland (VC 67) a considerable distance from its centre in Teesdale.

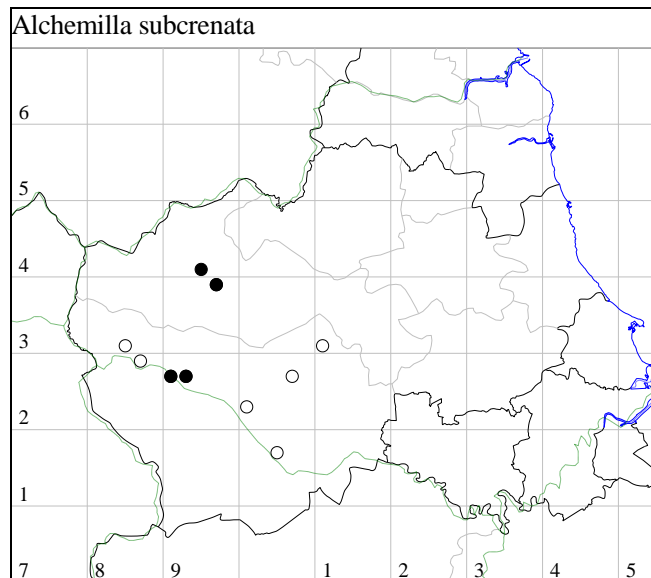
In the early 1950s Bradshaw mapped its distribution in Teesdale and Weardale, revisiting the sites of the records in 2000 and subsequent years to 2007. Since the first survey the number of fields in which it has been recorded in Teesdale has fallen from 22 to 10 (49 to 25 dots) and it is now only in one road verge site. Most records are in meadows, where it is scarce, and two sites are in pastures. Plants found in two fields north of Stanhope in the 1950s could not be found in 2000 or 2002, the fields having been 'agriculturally improved'. Only the plants in one pasture are within the Moor House - Upper Teesdale NNR. Margaret Bradshaw's estimate of the number of individual plants is less than 100.

### Wear Sites

18-Jun-09	NY97223977	Small triangular field south of Allerton Riggs	John O'Reilly
03-Jun-09	NY946413	Rookhope Burn	Keith Cunningham

### Tees sites

03-Jun-79	NY920271	Brockers Gill	M Bradshaw
	NY921272		
31/05/73	NY917273	Brockers Gill	GGG
26-Jun-91	NY918273	Brockers Gill	GGG
Jun-90	NY9227	Brockers Gill Meadow	Graham, Rev G.G.



12-Jun-67	NZ006234	Eggleston	Sell, P.D.
1979	NZ043172	Flatts Wood	Sykes, M.
12/07/06	NY8530	Harwood Beck	G Young
27-Jun-63	NY873292	High Force	M Bradshaw
24-Jul-99	NY90752724	Holwick	M Bradshaw
22-Aug-00	NY90752705	Holwick	M Bradshaw
	NY90852715		
	NY90902723		
	NY91122668		
	NY91252662		
	NY91282659		
	NY91382655		
24-Aug-00	NY91342656	Holwick	M Bradshaw
09-Sep-03	NY90802715	Holwick	M Bradshaw
25-Jun-05	NY90962675	Holwick	M Bradshaw
25-Jun-05	NY91032671	Holwick	M Bradshaw
26-Jun-91	NY912273	Newbiggin	GGG
24/05/03	NY91552723	Newbiggin	M Bradshaw
08-Jun-03	NY91552728	Newbiggin	M Bradshaw
08-Jun-03	NY91572718	Newbiggin	M Bradshaw
24/05/03	NY91602735	Newbiggin	M Bradshaw
24/05/03	NY916272	Newbiggin	M Bradshaw
04-Jun-08	NY909268	Seats Hill	J O'Reilly
1968	NY917270	Tees banks below Newbiggin	Shimwell, Dr D.W.
22-Aug-00	NY91752710	West Brockers Gill	M Bradshaw
	NY91822721		
09-Sep-03	NY91852725	West Brockers Gill	M Bradshaw
	NY91702710		
22-Aug-07	NY90352775	Winch Bridge	M Bradshaw
09-Sep-03	NY90452775	Winch Bridge	M Bradshaw

## *Alchemilla wichurae*

National Status      Endangered  
County Status

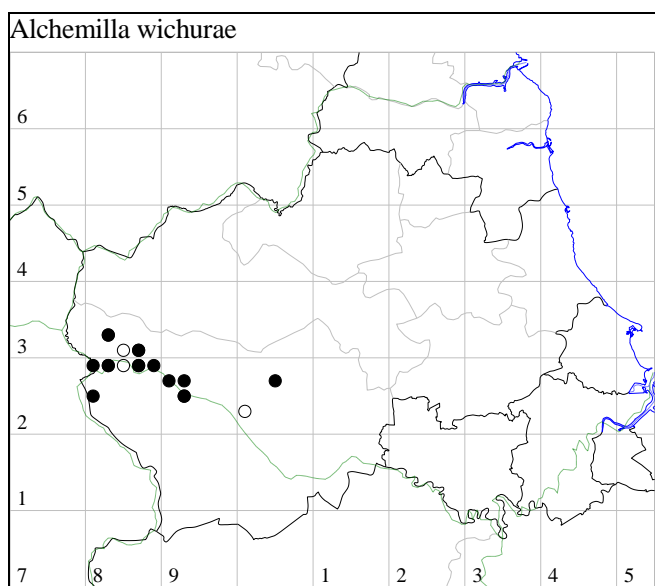
The account of this species follows the text of a recent review by Margaret Bradshaw.

This species has an Arctic–Sub-arctic distribution, found in Scotland mostly above 615m and in the North of England near to the southern limit of its distribution as low as 250m.

*A. wichurae* was collected by Walters on Ingleborough (VC 64) in 1946 and in Teesdale in 1947 (VC 66 & 69). It has been found mainly as single plants in a few meadows, upland pastures and on limestone outcrops. Several records occur by waterfalls over the whin sill.

The main areas of distribution of *A. wichurae* are in Scotland where it is scarce. In England it is on the southern fringe of its range. *A. wichurae* is thinly scattered in Teesdale, Craven and The Lakes. The loss of the Pennine and Lakes District plants would constitute a serious contraction of range.

The changes in the records of *A. wichurae* are from 27 to 15. Most of the losses are from the meadow sites. *A. wichurae* has survived in the hill pastures better than *A. glomerulans*, though most records are of single plants.



28-Apr-98	NZ052273	Blackling Hole	McCutcheon D.E.
09-Sep-03	NY83343223	Bowes	M Bradshaw
	NY83483219	Close	
09-Sep-03	NY93602550	Breckholm	M Bradshaw
31-Aug-02	NY814255	Cauldron	M Bradshaw
	NY814286	Snout	
29-Aug-02	NY83652945	Cronkley	M Bradshaw
	NY83722956	Scar	
09-Sep-03	NY93252610	Dent Bank	M Bradshaw
24-Aug-00	NY933261	Dent Bank	M Bradshaw
2009	NY862308	East Under	Natural England
	NY863308	Hurth	
12-Jun-67	NZ006234	Eggleston	Sell, P.D.
2009	NY865290	Forest in Teesdale	Natural England
2009	NY82893338	Harwood	M Bradshaw
31-Jul-99	NY91752650	Holwick	M Bradshaw
24-Aug-00	NY90902738	Holwick	M Bradshaw
09-Sep-03	NY90802715	Holwick	M Bradshaw
09-Sep-03	NY91852725	Holwick	M Bradshaw
24-Aug-00	NY891283	Holwick Head Bridge	M Bradshaw
20-Jun-02	NY89052830	Holwick Head Bridge	M Bradshaw
26-Jul-03	NY88842828	Holwick Head Bridge	M Bradshaw
27-Aug-07	NY88862828	Holwick Head Bridge	M Bradshaw
07-Jun-03	NY8531	Langdon Beck	Hume, A.O.
31-Aug-02	NY82443222	Low End	M Bradshaw
28-Aug-99	NY829334	Peases Cottage	M Bradshaw
24-Aug-00	NY82913336	Peases Cottage	M Bradshaw
09-Sep-03	NY82903340	Peases Cottage	M Bradshaw
24-Aug-00	NY91752650	Brockers Gill, near	M Bradshaw
31/05/07	NY838298	Widdybank Farm	John O'Reilly
14/05/76	NY834293	Widdybank Farm	M Bradshaw
24-Aug-00	NY83842990	Widdybank Farm	M Bradshaw
22-Aug-07	NY83982990	Widdybank Farm	M Bradshaw
09-Sep-03	NY90452775	Winch Bridge	M Bradshaw
24-Aug-00	NY90382770	Winch Bridge	M Bradshaw



***Actaea spicata* Baneberry**

National Status Scarce  
County Status Extinct

Recorded only once, at Bowes, at the future site of the Bowes Museum, in 1597 by Gerard. This was the first British record for this species.

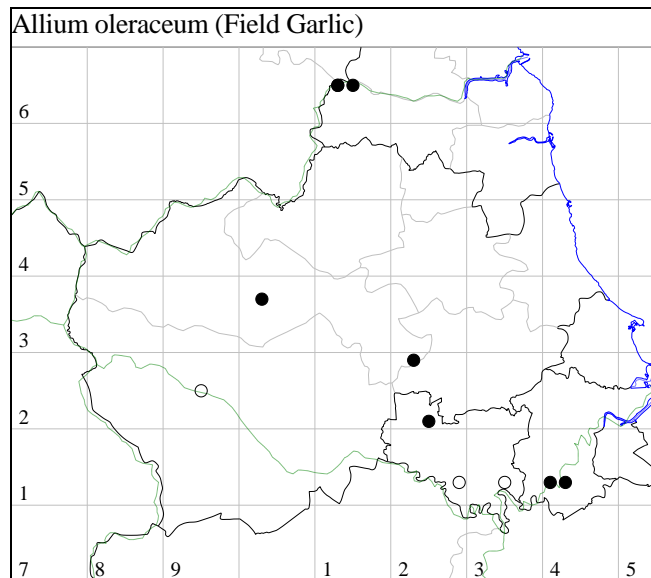
***Adiantum capillis-veneris*  
Maidenhair Fern**

National Status Scarce  
County Status Rare hortat

***Allium oleracium* Field Garlic**

National Status Vulnerable  
County Status Occasional

Mainly on riverbanks.



***Allium schoenoprasum* Chives**

National Status Scarce  
County Status Extinct

Rocky pastures.

There are no recent records.

22 Jun 98	NZ223296	Bishop Auckland	GRAHAM, Rev G.G.
07 Jul 90	NZ416132	Eaglescliffe	Bungard, S.J.
1990	NZ426124	Eaglescliffe	Bungard, Dr S.J.
1990	NZ430133	Eaglescliffe	Bungard, Dr S.J.
08 Jul 90	NZ416128	Eaglescliffe	Bungard, Dr S.J.
12 Jul 06	NZ4213	Egglescliffe	CNFC
21 Jun 98	NZ252202	Heighington	Graham, G.G.
2006	NZ0236	NZ0236	Shimwell, Dr D.W.
28 Jul 91	NZ152651	Ryton Willows	Rewcastle, L.
10 Apr 10	NZ1264	Tyne riverbanks, Wylam	John Liam Durkin

***Alopecurus magellanicus* Alpine Foxtail**

National Status Scarce  
County Status Extinct

Formerly rare in Upper Teesdale.

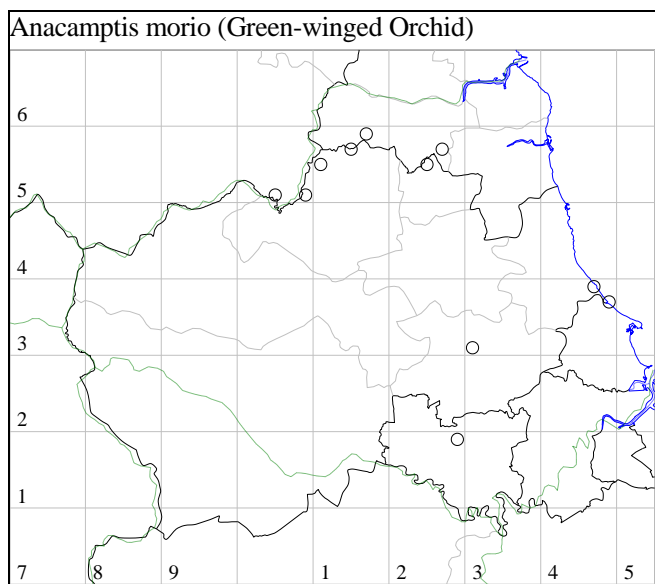
Found in 1945 on sheep cropped mounds of short turf near to the Tees by JKM (K) determined by CE Hubbard. The site is now under the Cow Green Reservoir.

1945	NY8030	Cow Green Reservoir	Morton, Dr J.K.
------	--------	---------------------	-----------------

### ***Anacamptis morio* Green winged Orchid**

National Status      Near Threatened  
County Status      Rare

Formerly widespread in old meadows and pastures, mostly in the Derwent Valley and at Blackhall Rocks. There are no recent records, though there may be undocumented re-introductions.



1925	NZ1055	Ebchester	JWHH
1927	NZ2818	Myer's Flatts	Nowers, J.E.
1950	NZ3131	Mainsforth	Cafe, R E N
1960	NZ4639	Blackhall Rocks	Taylor, Sir G.

### ***Apera spica-venti* Loose Silky-bent**

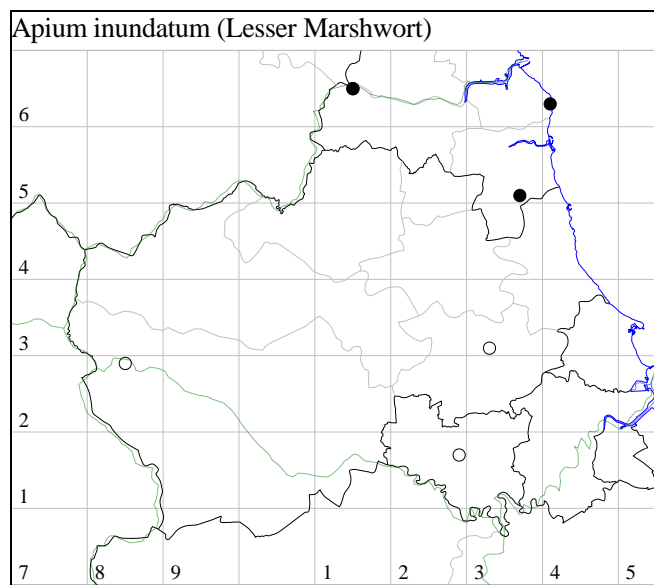
National Status      Near Threatened  
County Status      Extinct

There are no recent records.

### ***Apium inundatum* Fool's Water Cress**

National Status      None  
County Status      Scarce, declining.

21/06/84	NZ285164	Faverdale	Burnip, M.
1984	NZ284164	Horse-field pond	David Green
18/06/99	NZ156649	Ryton Willows, Gut Pond	A & G Young
16-Jul-70	NY854286	Tarn Dub	Burton, R.M.
30-Jul-81	NY853287	Tarn Dub	Newbold, C.
11/08/09	NZ370505	Warden law LNR	Andy Mclay
06/09/07	NZ418633	Whitburn Point	John O'Reilly



### ***Arabis glabra* Tower Mustard**

National Status      Endangered  
County Status      Extinct

There are no recent records.

## ***Arctostaphylos uva-ursi* Bear Berry**

National Status        None  
County Status        Scarce, declining.

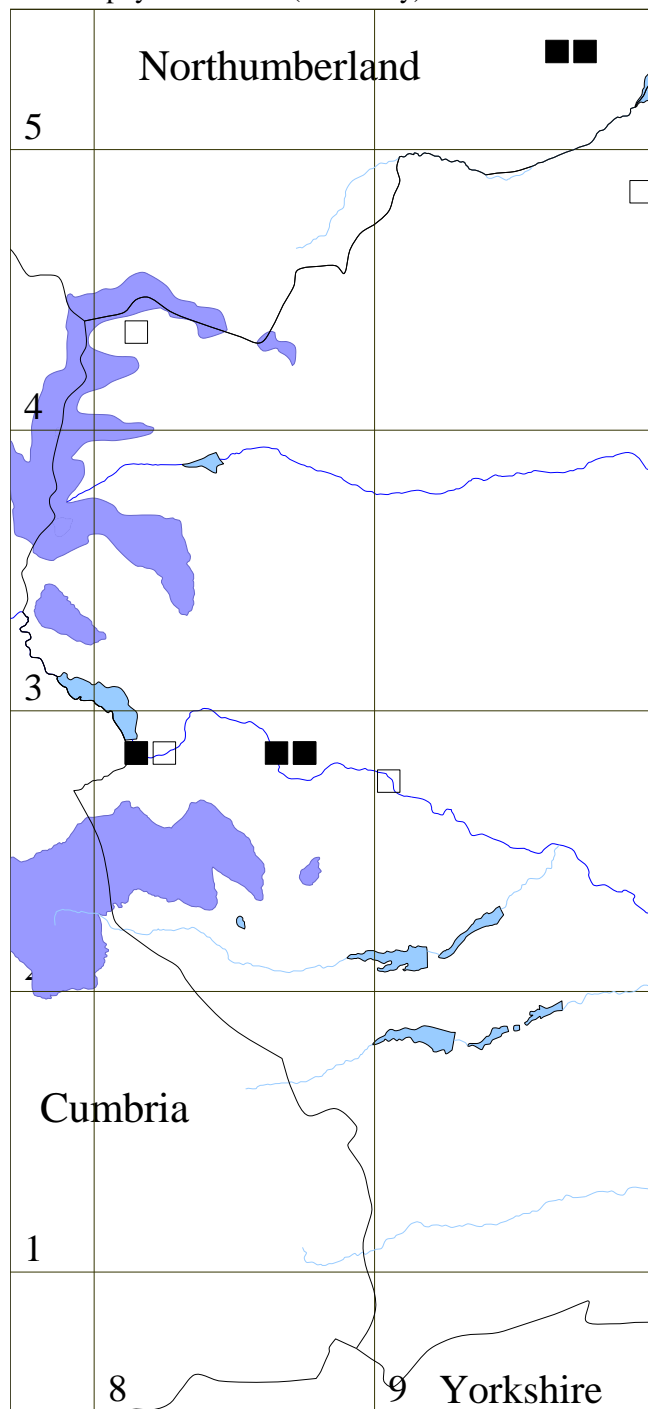
Mainly at Falcon Clints, the listed sites are patches of several square metres, visible from the Pennine Way footpath. There are probably more small sites on the crags.

19/09/72	NY813287	Cauldron Snout	Groom, R.E.
1979	NY8128	Cauldron Snout	Blakemore, J.
2005	NY867282	Dineholm	J L Durkin
08/01/04	NY8728	East Force Garth	Schober. M
28/09/11	NY82052813	Falcon Clints	J L Durkin
19/09/72	NY816284	Falcon Clints	Groom, R.E.
27/04/76	NY824281	Falcon Clints	Wiggington, M.J.
28/09/11	NY81972822	Falcon Clints, west	J L Durkin
Jul-06	NY871281	River Tees Banks, High Force Quarry	J L Durkin



Typical crag habitat (right of tree)

*Arctostaphylos uva-ursi* (Bearberry)



## ***Asplenium marinum*      Sea Spleenwort**

National Status      None  
County Status      Scarce, declining.

In three groups along the coast, where the magnesian limestone is particularly hard and “pock-marked”.

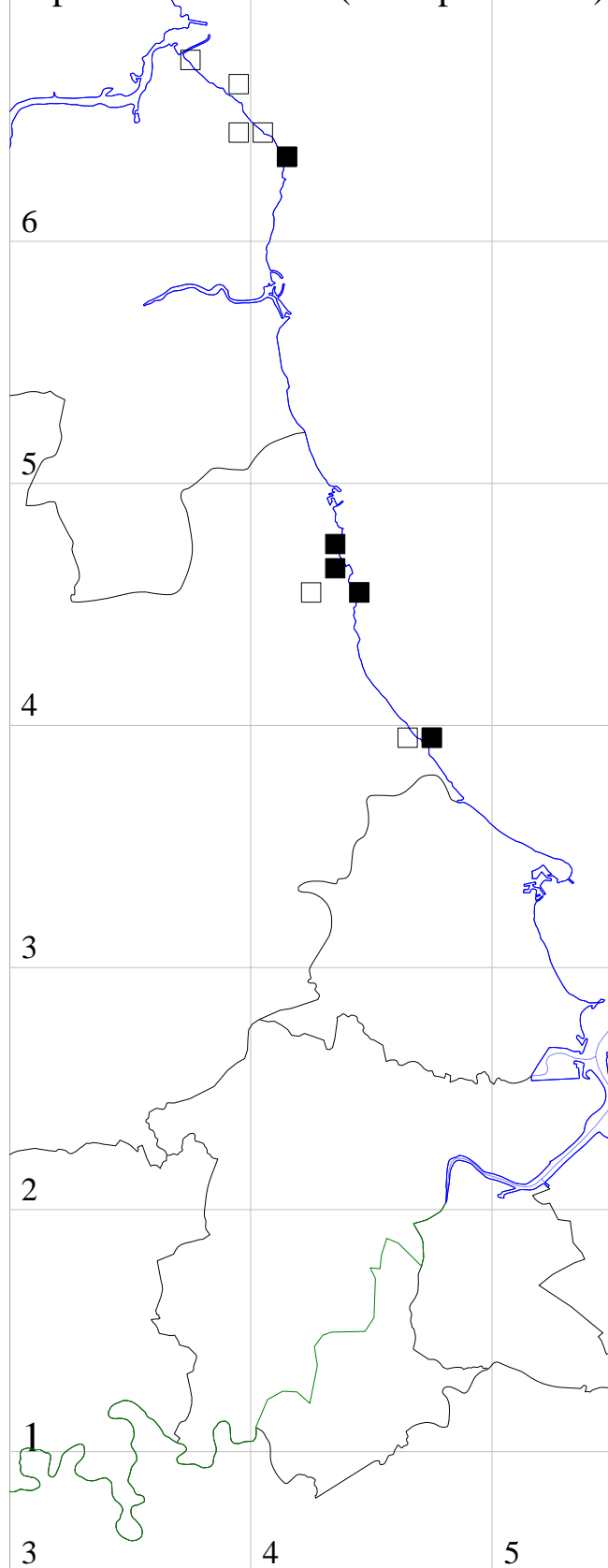
In South Tyneside, the main site is at Potter’s Hole, with several smaller groups in bays south as far as the bird observatory. Sites further north may have been lost to coastal erosion.

The Chourdon Bay sites (1, 1, 5 and 40 plants, north to south in 2011) have all declined recently, due to competition with other plants, particularly ivy. The nearby Shippersea site has recently been reduced from 80 to 5 plants, by a rock fall.

The Blackhall sites are 3 groups in the bays north of the cave headland, with one or two plants in the roof of the caves. Total 340 plants in 2011.

1988	NZ3966	The Leas	P. Collins
03/06/08	NZ46B	Whitburn	CNFC
		Whitburn Coastal Park	
1997	NZ412633		J L Durkin
June 11	NZ410639	Byers Hole	N Butler
12/08/05	NZ411637	Potter's Hole	J L Durkin
1997	NZ438479	Noses Bay	D E McCutcheon
07/06/11	NZ43574757	Chourdon Bay	J L Durkin
	NZ4367047342		
04/06/11	NZ4394546823	Chourdon Bay	J L Durkin
20/04/11	NZ44374514	Shippersea Bay	J L Durkin
04/07/11	NZ4706839188	Blackhall Rocks	J L Durkin
	NZ4710739133 to NZ4711939120		
	NZ4712339124		

## ***Asplenium marinum* (Sea Spleenwort)**



***Asplenium trichomanes pachyrachis*  
(*Asplenium csikii*)  
Lobed Maidenhair Spleenwort**

National Status      Near Threatened  
County Status        Rare

This fern has only recently been separated from *Asplenium trichomanes quadrivalens* in Britain. Most of the records are from castle walls in Wales. In Durham it is known from two or perhaps three sites in Teesdale. The Durham plants are less ornately lobed than the Welsh and Northumberland plants.

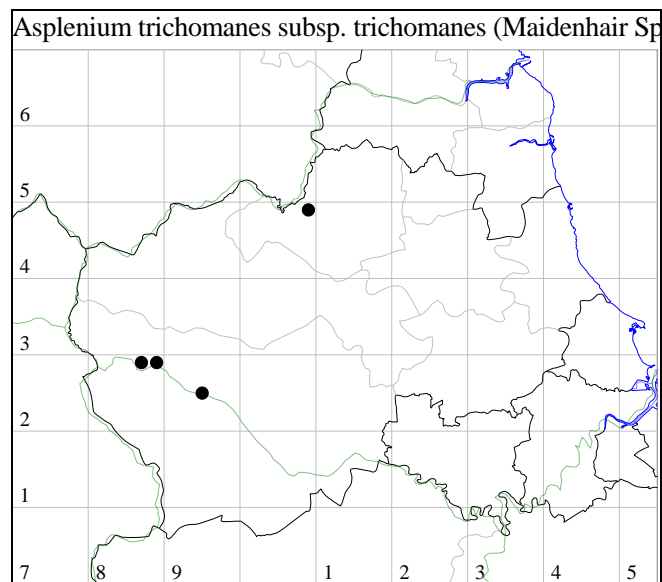
21/06/05	NY90702765	Winch Bridge Crag	Wild Flower Society
Jun-03	NZ05702002	Bluestone Grange railway cutting LWS	John Liam Durkin

***Asplenium trichomanes trichomanes*  
Delicate Maidenhair Spleenwort**

National Status      None  
County Status        Scarce, declining

On whin sill exposures and hard sandstones, but absent from the higher altitude whin sill at Falcon Clints and Cronkley.

Jul-06	NY871291	Dufton Moss Quarry	J L Durkin
May-07	NZ0948	Hown's Gill	J L Durkin
27-Jun-08	NY948245	Middleton Quarry SSSI	J L Durkin
Aug-07	NY885285	River Tees banks, High Force	J L Durkin



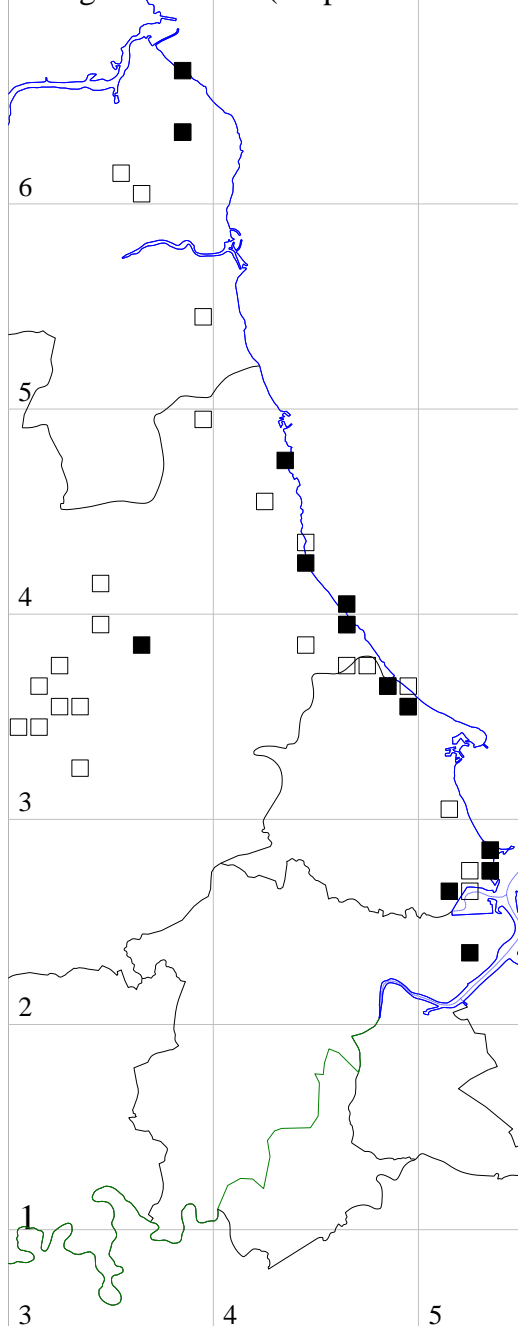
## *Astragalus danicus* Purple Milk-vetch

National Status      Endangered  
County Status      Scarce, declining

Found in two habitats, inland on the Magnesian Limestone, where it is usually sparse, and at the coast, both on the limestone and on sandy soils, where it is sometimes frequent. It is quite common at Seaton Dunes, particularly in short turf along the paths behind the dunes, so the sites here are indicative rather than comprehensive.

It has recently declined quite substantially at the inland sites, and slightly at the coastal sites, as can be seen from the map.

*Astragalus danicus* (Purple Milk-vetch)



May-94	NZ5223	BASF plc	Chester P
24/06/96	NZ4640	Blackhall Colliery	Graham, Rev G.G.
29-Jul-90	NZ4639	Blue House Gill	Mitchell D
1971	NZ346397	Cassop Vale	GGG.
May-96	NZ3863	Cleadon Hills	Hedley, S.
1995	NZ388633	Cleadon Hills	Durkin, J.
20/06/96	NZ4347	Coast at Horden	GGG
08/06/08	NZ4836	Crimdon Dene	J O'Reilly
1969	NZ4936	Crimdon Dene	GGG
1976	NZ4443	Foxholes Dene	GGG
1966	NZ521262	Greenabella Marsh	McAndrew R.T.
12/11/93	NZ517263	Greenabella Marsh	Lowe C.J.
13/06/98	NZ497359	Hart Warren	Dines Dr T.
09/06/80	NZ499355	Hart Warren	Appleyard P R
08-Jul-01	NZ535285	North Gare	Lawrence I
15-Jul-70	NZ535278	North Gare Breakwater	Graham Rev G.G.
22/06/73	NZ3335	Raisby Hill & Quarry	Thompson Dr I.
1971	NZ526270	Seal Sands	McAndrew R.T.
20/06/70	NZ5130	Seaton Carew	Unknown
1988	NZ53602822	Seaton Dunes	Radley G P
07/08/11	NZ5369927439	Seaton Dunes	J Durkin
	NZ5371027464		
	NZ5371027733		
	NZ5368028029		
	NZ5366428094		
	NZ5367728207		
	NZ5372028398		
1999	NZ3638	The Bottoms SSSI	English Nature
15/06/91	NZ3866	Trow Point	Collins, P.
1988	NZ392545	Tunstall Hills SSSI	English Nature
25/06/96	NZ4442	Warren House Gill	Graham, Rev G.G.



***Atriplex longipes x prostrata***  
**(*Atriplex longipes* Long-Stalked Orache)**

National Status      Scarce  
County Status      Rare

Saltmarsh

The hybrid *Atriplex longipes x prostrata* was recorded at Greatham Creek on 24<sup>th</sup> September 1977 by Russell McAndrew, and determined by Taschereau. Similar plants were found at the Old River Tees, Stockton. *Atriplex longipes* was suspected to be present nearby, but was not found.

24-Sep-77	NZ4927	Greatham	McAndrew R T
-----------	--------	----------	--------------

***Atriplex pedunculata* Annual Sea Purslane**

National Status      Critically Endangered  
County Status      Extinct

A single record, as a ships' ballast hill casual, "near Sunderland" WW Robson 1794. There is a specimen in the Hancock Museum.

There are no recent records.

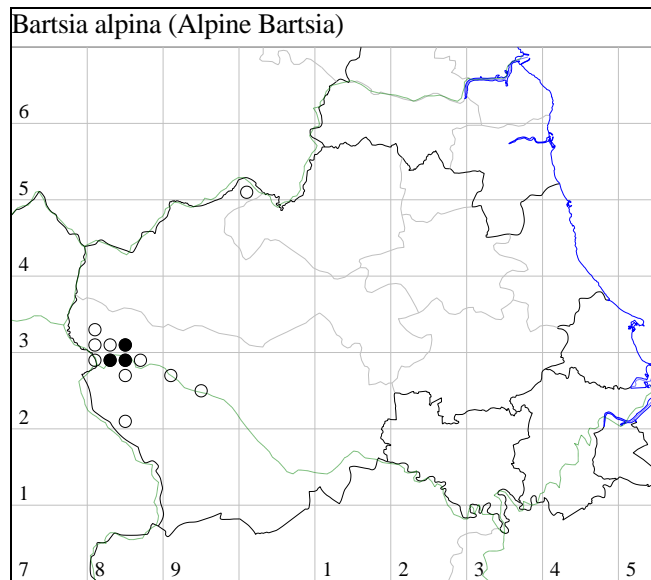
***Bartsia alpina*      Alpine Bartsia**

National Status      Nationally Rare  
County Status      Scarce

In upper Teesdale, mainly on Widdybank, but also on road verges. There is a single, old record from the Derwent Valley. Most sites have few plants, and appear to be declining.

**Conservation-** Most of the sites are in the Upper Teesdale National Nature Reserve.

30-Jun-06	NY843298	Cetry Bank	Wood, D& Woods, M
22-Jul-72	NY820281	Falcon Clints	Hudson, MJ
Jun-04	NY8531	Langdon Beck	Moses, GW
1974	NY8331	Peghorn Lodge	Groom, R E
2009	NY852298	Whey Sike	Natural England
Jun-79	NY840300	Widdybank Farm	Findlay, I.
02-Jul-93	NY8229	Widdybank Fell	Wood, D.C
19-Jun-79	NY835295	Widdybank Fell	Bradshaw, Dr M.E.
24-Jul-67	NY839301	Widdybank Fell	Groom, R E
1976	NY8330	Widdybank Pasture	GGG
01-Jul-84	NY839299	Widdybank Pasture	Graham, Rev G G.
15/09/81	NY842301	Widdybank Pasture	Graham, Rev G G.
06/06/11	NY84273028	Widdybank	J Richards
	NY841302		
2008	NY847304	Wildscar Sike	Jeremy Roberts
	NY837299		



Photographed in County Durham  
by UKWildflowers.com

***Betula nana* Dwarf Birch**

National Status Scarce  
County Status Rare

Teesdale 1772, Camden. Re-found, possibly at the same site in 1965 by T. C. Hutchinson. In 1979 J. Blakemore counted six plants.

**Conservation-** The site is in the Upper Teesdale Nature Reserve.

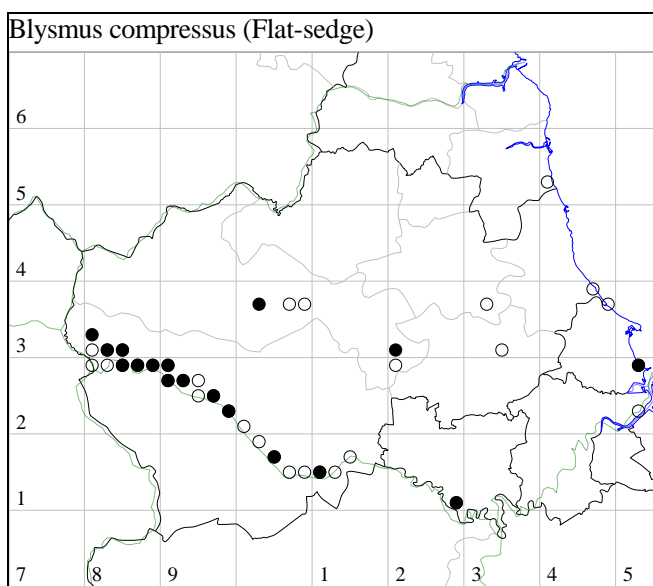
15/09/09	NY8202128805	Widdybank Fell	M Schober
----------	--------------	----------------	-----------

***Blysmus compressus* Flat Sedge**

National Status Vulnerable  
County Status Rare

Found mainly in Teesdale, but also on some coastal and magnesian limestone sites.

It has declined quite considerably, especially from the east of the county.



21/06/96	NZ209303	Bishop Auckland	GGG
1973	NZ467395 NZ472391 NZ467395	Blackhall Rocks	Dr BD Wheeler
17-Jul-76	NY908284	Bowlees	M Burnip
28/06/08	NY907284	Bowlees	J & C O'Reilly
22/06/96	NY907283	Bowlees Quarry	Jones, Vincent
30/06/06	NY8429	Cetry Bank	Wood, D & Woods, M
05/06/76	NZ0318	Cotherstone	M Burnip
28-Jun-08	NY862293 NY861294	Cronkley Bridge	J & C O'Reilly
01-Aug-75	NY862294	Cronkley Bridge	GGG
17-Jul-93	NY9326	Dent Bank	GGG
1977	NY8929	Dirt Pit	GGG
1992	NY983237	Egglesburn Shingle Bank CWS 6.19	Valerie Standen
Jul-80	NY982236	Eggleston	GGG
1976	NY999228	Eggleston	Dr N Holmes
1972	NZ0614	Egglesstone Abbey	Sykes, Mrs M.
1972	NY820281	Falcon Clints	Gibbons R.B.
11-Sep-06	NZ0417	Flatts Wood CWS 6.36	DTNFC
01/08/08	NZ0336	Frosterley	Andy Mclay
1976	NZ0021	Great Wood Eggleston	Dr NTH Holmes
28/06/08	NY861295	Haugh Hill	J & C O'Reilly
07/08/10	NY860296	Haugh Hill	A McLay
15/08/69	NZ281108	Hell's Kettles	GGG
06/06/95	NZ281109	Hell's Kettles	Tom Spowart
30/06/06	NY8828	High Force	Wood, D & Woods, M
20/08/76	NY947260	Hudeshope Beck	M Burnip
19-Jun-09	NY85423033 NY8528430484	Hunter's Close Bank	John O'Reilly
16/06/99	NY904278	Low Force	Sykes, Mrs M.
30-Jun-09	NY84773101	Meadow by beck S of Langdon Beck Ptn	John O'Reilly

18-Jul-08	NY8529	Meadows W of High House	Fiona Corby
1976	NY9425	Middleton in Teesdale	Dr NTH Holmes
1986	NY948245	Middleton Quarry SSSI	English Nature
07/08/09	NY853305	Opposite Hunter's	John O'Reilly
	NY854304	Close Bank	
1974	NY8331	Peghorn Lodge	Groom, R.E.
28/06/08	NY862294	R Tees, Cronkley Bridge	J & C O'Reilly
20/06/07	NY9757 2462	R Tees bank near Ornella	A & G Young
1976	NZ0021	Ray Gill	Dr N Holmes
1976	NZ11H	River Tees	Dr N Holmes
30/06/09	NY8467 3116	Beck bank in meadow SW of Langdon Beck Ptn	J O'Reilly
04/07/09	NY86376 29114	Riverbank south and west of Wat Garth	J O'Reilly
	NY86290 29296		
	NY86290 29310		
	NY86398 29004		
	NY86489 28890		
30/06/09	NY8488 3107	Beck bank S of Langdon Beck Ptn	J O'Reilly
12/08/09	NY839309	Sand Sike	J O'Reilly
	NY840309		
	NY841309		
04/07/09	NY84188 30968	Sand Sike	John O'Reilly
	NY84444 30992		
	NY84346 30934		
	NY84299 30918		
	NY84239 30936		
17/09/06	NZ52J	Seaton	DTNFC
27/06/73	NZ0915	Sledwich Hall	Moses, Mrs P.
18/08/09	NY80956 33874	South of Hill End	J O'Reilly
19/10/72	NZ345314	Sprucely	GGG
1976	NY9625	Stotley Grange	Dr NTH Holmes
29-Jul-08	NY897282	Tees bank	J O'Reilly

30/06/06	NY8530	Sayer Hill	Wood, D & Woods, M
19/06/09	NY8559 2985	Wheysike House	J O'Reilly
07-Jul-92	NZ110146	Whorlton	Peacock, H.
28/06/08	NY840300	Widdybank Farm	J & C O'Reilly
1977	NY8329	Widdybank Farm	Bradshaw Dr M.E.
03-Jul-09	NY8331	Widdybank Fell	M Schober
22-Jul-67	NY8129	Widdybank Fell	Groom, Mr R.E.
15/09/81	NY846302	Widdybank Pasture	GGG
	NY842301		
28/06/08	NY842300	Widdybank Pasture	J & C O'Reilly
	NY841300		
03-Jul-08	NY841300	Widdybank Pasture	J O'Reilly & J Quinonez
19/06/72	NY904279	Winch Bridge	GGG
1976	NZ1416	Winston	Dr N Holmes
05/05/77	NZ0836	Wiserley Hall	M Burnip
08/05/72	NZ03T	Wolsingham	M Burnip

***Brassica oleracea oleracea***  
**Wild Cabbage**

National Status      Scarce  
 County Status      Rare casual

No recent records.  
 The former Wearmouth colony no longer exists, but the VC67 site in similar coastal cliff habitat at Tynemouth is still there.

***Bromus hordaceus thominei***  
**Coastal Soft-Brome**

National Status      Scarce  
 County Status      Rare

Rare on fixed sand dunes at Teesmouth.

Found in 1970 by Gordon Graham, on fixed dunes at the North Gare, determined by P M Smith.

28-Jun-79	NZ173431	Cornsay Colliery	GGG
27-Jun-79	NZ187335	Helmington Hall hayfield, Hunwick	GGG
13-Jul-79	NZ263381	River Browney, Sunderland Bridge	GGG
09-Jun-70	NZ535278	North Gare	GGG

***Bromus commutatus***      **Meadow Brome**

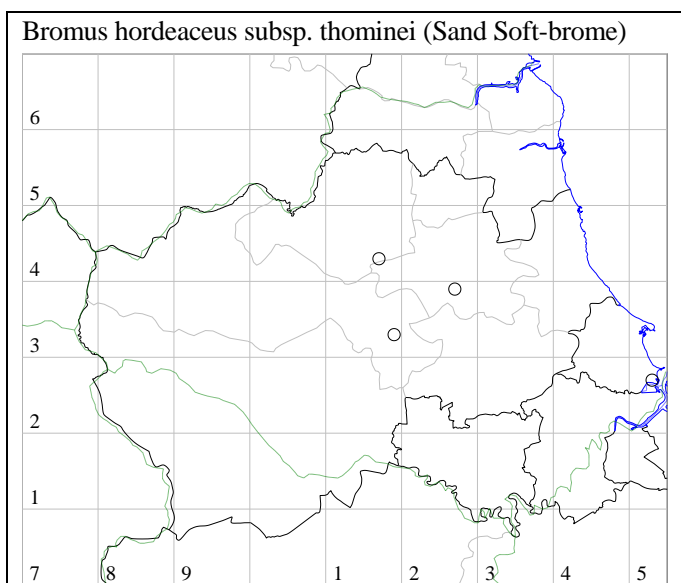
National Status      None  
 County Status      Rare

2000	NZ334151	Stockton and Darlington Railway Track	David Green
03 Sep 2003	NZ3350	Houghton le Spring	Bullen Consultants

***Bupleurum tenuissimum***  
**Slender Hare's Ear**

National Status      Vulnerable  
 County Status      Extinct

No recent records

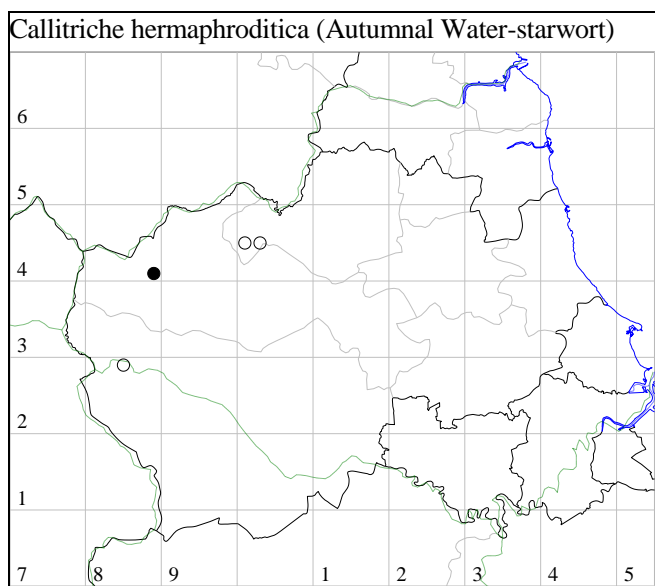


***Callitriche hermaphroditica***  
**Autumnal Water-starwort**

National Status      None  
 County Status      Scarce, declining.

Starworts are not well-recorded in the county.

08/07/97	NY8840	Middlehope Moor	McCutcheon, D.E.
30/07/81	NY853287	Tarn Dub	Newbold, C.
1946	NZ0244	Waskerley Reservoir	Morton, Dr J.K.



***Campanula patula*** Spreading Bellflower

National Status      Endangered  
 County Status      Extinct.

No recent records.

***Cardamine impatiens***  
**Narrow Leaved Bitter Cress**

National Status      Near Threatened  
 County Status      Extinct

No recent records.

***Carduus tenuiflorus***  
**Slender Thistle**

National Status      None  
 County Status      Rare

28/07/93	NZ3964	Marsden Hall Quarry	Ann & Gordon Young
1991	NZ162314	Derwent Walk	Boyce, Mr R.
05/06/04	NZ347138	The Whinnies LNR	DTNFC

***Calystegia soldanella***  
**Sea Bindweed**

National Status      None  
 County Status      Rare

18 Aug 1996	NZ383666	Trow Point	McCutcheon DE
08 Jun 2008	NZ43Y	Crimdon Dene	John O'Reilly



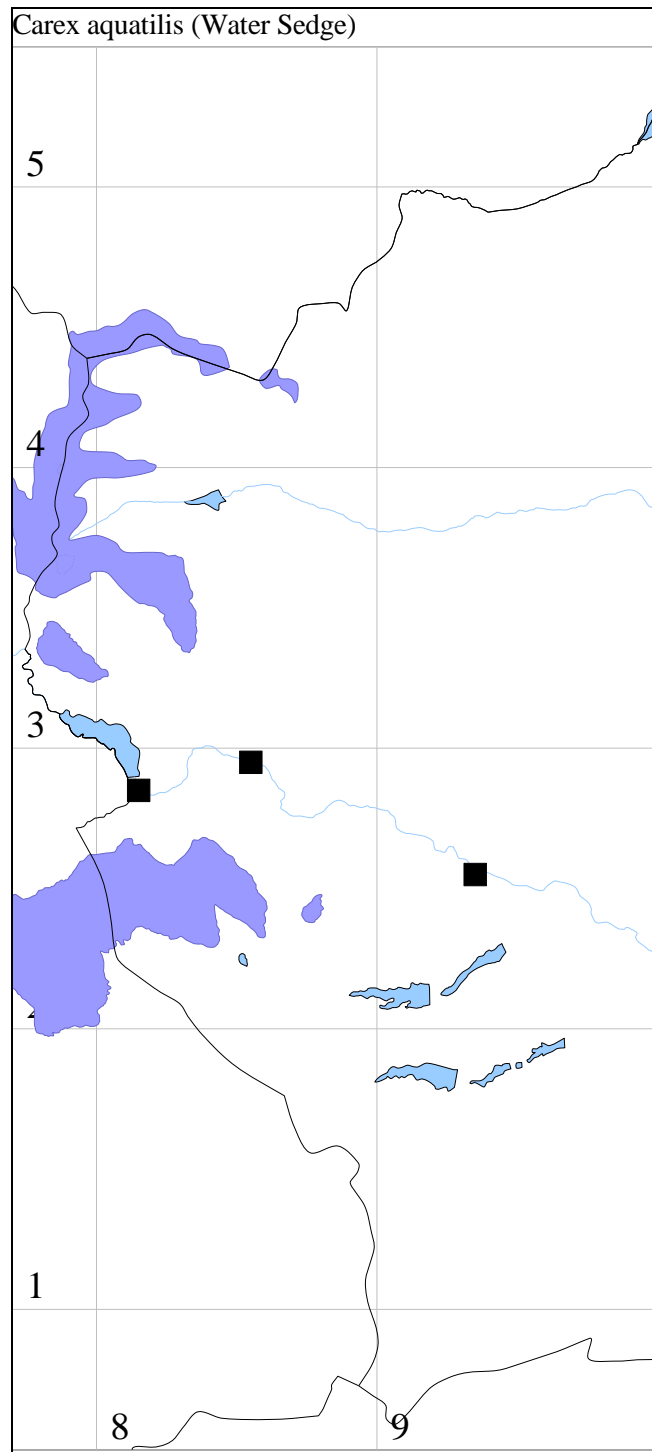
***Carex aquatilis*****Water Sedge**

National Status      A “Scottish” species  
County Status      Rare

Teesdale has a large proportion of the English distribution of this sedge.

Possibly still under-recorded along the upper Tees.

Aug-91	NY937254	Breckholme S Bank of Tees, CWS 6.04	Valerie Standen
01/07/06	NY818283	River Tees	Wood, D& Woods, M
23/06/09	NY85649 29718	Swamp NW of Wheysike House	John O'Reilly
1968	NY83	Cow Green	Proctor, Rev H.G.

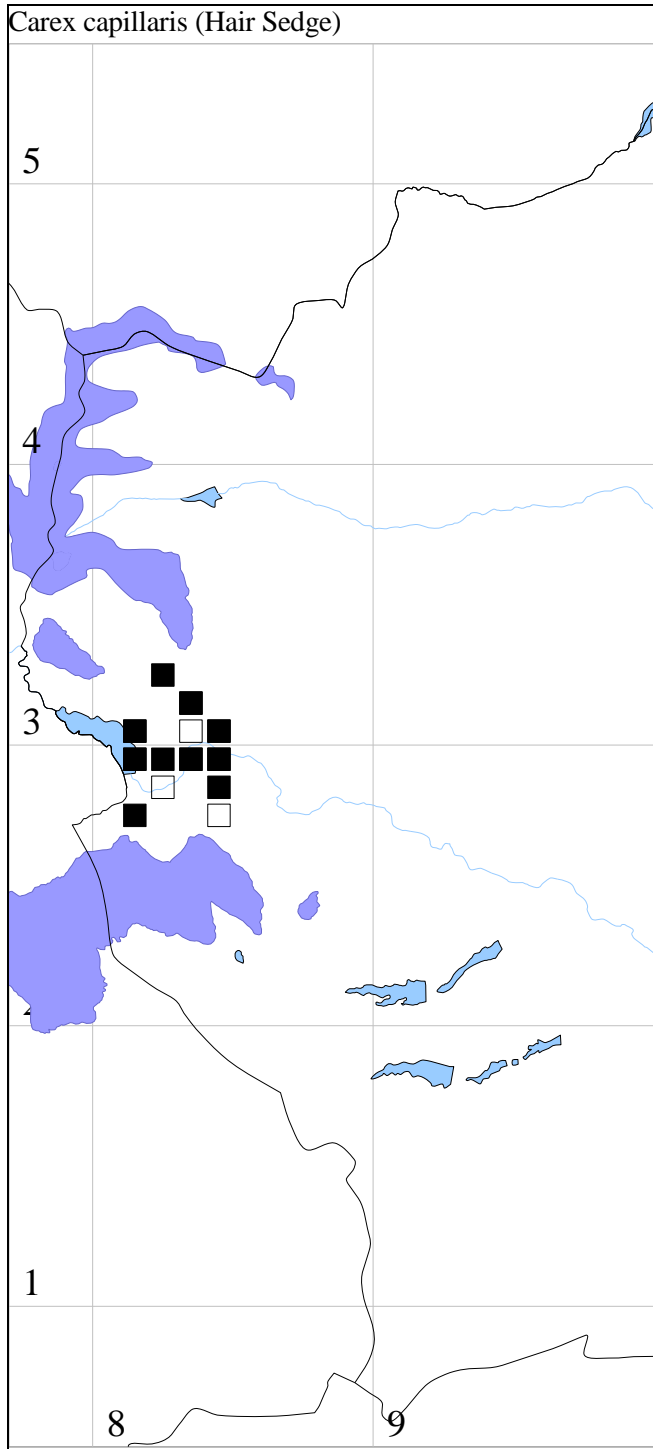


**Carex capillaris****Hair Sedge**

National Status      Scarce  
County Status      Rare

In base-rich flushes and on damp sugar-limestone at Widdybank and nearby in Upper Teesdale.

**Conservation-** The sites are all in the Upper Teesdale Nature Reserve and adjacent SSSIs.



31/08/05	NY815303	Cow Green Nature Trail	A & G Young
Jun-90	NY818294	Cow Green	David, RW
1974	NY81372794	Cetry Bank	Gibbons, Dr R.B.
	NY818291		
	NY843297		
2009	NY848296	Cetry Bank	Natural England
11/06/06	NY819278	Merrygill Moss	Robson, Craig
1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
2009	NY823326	Forest-in-Teesdale	Natural England
2009	NY835318	Harwood Beck	Natural England
2008	NY837299	Wildscar Sike	Jeremy Roberts
04-Jul-09	NY8436130922	Sand Sike	John O'Reilly
	NY8434730936		
	NY8434130938		
	NY8435430924		
	NY8432030926		
	NY8423130938		
	NY8423330938		
	NY8440930948		
08/07/09	NY8433830938	Sand Sike	John O'Reilly
01-Jul-84	NY839299	Widdybank Pasture	GGG
24-Jul-67	NY843301	Widdybank Farm	Gibbons, Dr R.B.
1976	NY8330	Widdybank Pasture	GGG
2009	NY844308	Widdybank Pasture	Natural England
15/09/09	NY824295	Above Wild Scar	M Schober
02/07/06	NY8328	Cronkley Fell	J & C O'Reilly
24/06/96	NY8428	Cronkley Fell	Jones, V

***Carex diandra* Lesser Tussock Sedge**

National Status Near Threatened  
County Status Extinct

Recorded once at Eastgate in Weardale by Heslop-Harrison in 1939. This is possibly a doubtful record.

The only current record is at a planted site.

2000	NZ3723	Stillington Forest Park	Cleveland Naturalists Field Club
------	--------	-------------------------	----------------------------------

***Carex ericetorum* Rare Spring Sedge**

National Status Vulnerable  
County Status Rare

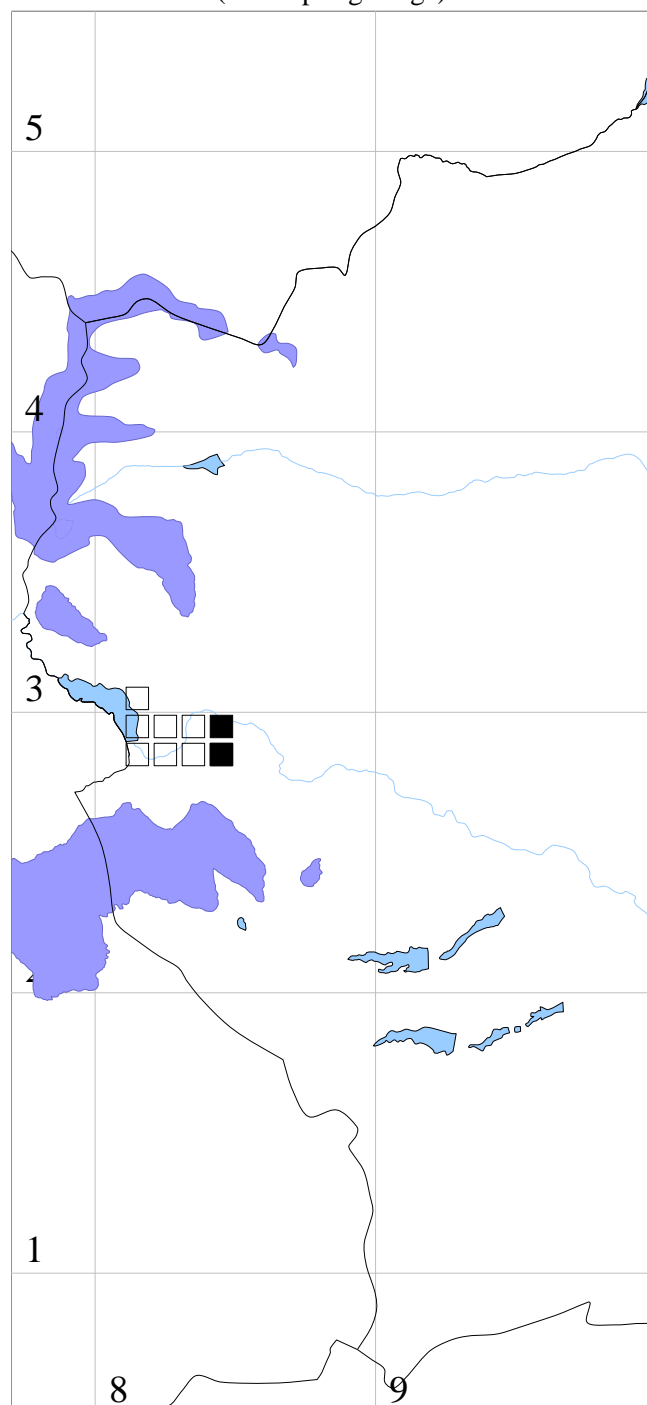
In sugar limestone at Widdybank and Cronkley.  
This is the northernmost British site for this species.

Reported at Thrislington on the magnesian limestone by Professor J W H Harrison in 1954, but this is a doubtful record.

**Conservation-** All of the sites are in the Upper Teesdale National Nature Reserve.

25/05/73	NY813306	Widdybank Fell	Dr RB Gibbons
05-Jul-74	NY818282	Widdybank Fell	Dr RB Gibbons
1979	NY8229	Widdybank Fell	Bradshaw, Dr M.E.
1977	NY8329	Widdybank Farm	Bradshaw, Dr M.E.
08/06/74	NY818293	Red Sike	Dr RB Gibbons
08/06/74	NY820281	Falcon Clints	Dr RB Gibbons
23/06/96	NY8429	Cetry Bank	Jones, Vincent
18/06/06	NY848283	Cronkley Fell	C N F Club
02/06/81	NY837282	White Well	Gagg, A.N.
1976	NY810304	Widdybank Fell	M Bradshaw & Alison Jones
	NY817291		
	NY818290		
	NY819289		
	NY820288		

*Carex ericetorum* (Rare Spring-sedge)



***Carex magellanica* Tall Bog Sedge**

National Status Scarce  
County Status Rare

There is a single record from Cronkley.

08-May-06	NY813279	Cronkley Fell	Robson, Craig
-----------	----------	---------------	---------------

***Carex vaginata* Sheathed Sedge**

National Status Scarce  
County Status Rare

There is a single record from Mickle Fell.  
Probably present elsewhere at high altitudes.

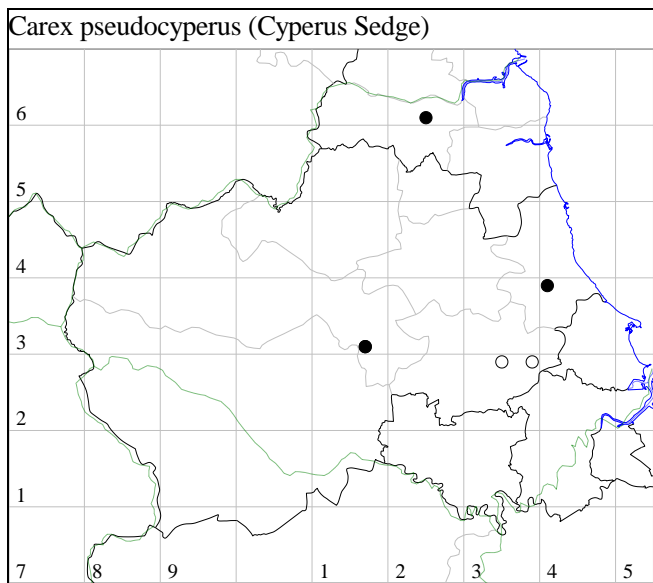
**Conservation**

The site is in the Upper Teesdale National Nature Reserve.

		Upper Teesdale NNR, Mickle Fell top	Rod Corner, Jeremy Roberts, Linda Robinson
Jul-05	NY8224		

***Carex pseudocyperus* Cyperus Sedge**

National Status None  
County Status Scarce, declining.

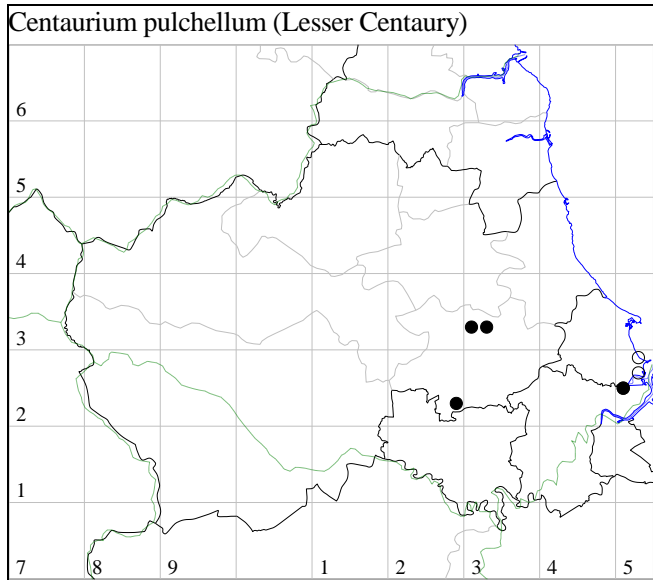


14-Jul-01	NZ240613	Norwood Pond (Ptd)	J L Durkin
Jul-95	NZ419380	Castle Eden	Sutcliffe, M.
1977	NZ3428	Hardwick Hall Country Park	Wheeler Dr B.D.
1977	NZ382293	Redcar Carr	Wheeler Dr B.D.
02-Nov-95	NZ1631	Witton-Le-Wear SSSI	Graham, Mrs P.S.
12-May-72	NZ164316	Witton-Le-Wear SSSI	GGG
14-Jun-74	NZ168314	Witton-Le-Wear SSSI	GGG
1969	NZ166313	Witton-Le-Wear SSSI	Burnip, Mrs M.

***Centaurium pulchellum* Lesser Centaury**

National Status      None  
 County Status      Scarce, declining.

On the inland magnesian limestone and at the coast.

***Cephalanthera damasiona*  
White Helleborine**

National Status      Vulnerable  
 County Status      Extinct hortal

There are no recent records.

***Cephalanthera longifolia*  
Narrow-leaved Helleborine**

National Status      Vulnerable  
 County Status      Extinct

Formerley recorded in most of the magnesian limestone coastal denes.

There are no recent records.

***Chamaemelum nobile* Chamomile**

National Status      Vulnerable  
 County Status      Extinct, probably hortal

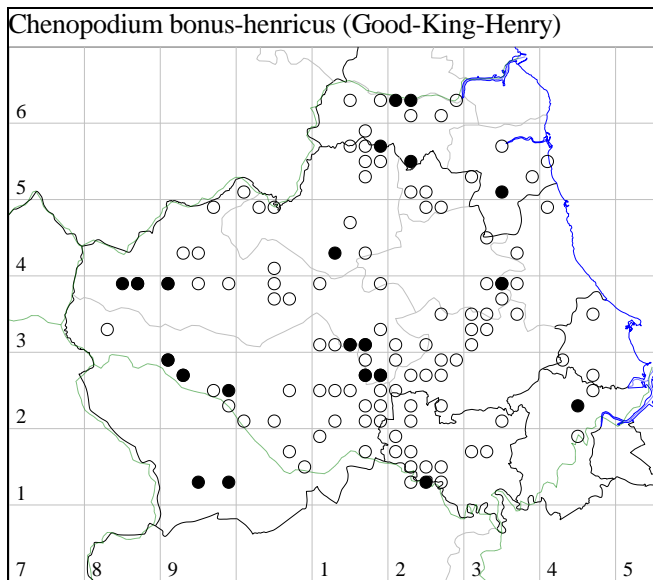
There are no recent records.

Jul-91	NZ281220	Aycliffe Quarry CWS 7.12	V Standen
1999	NZ304323	Ferryhill Cut CWS 7.3, southern pond area.	J Stobbs & V Standen
Jul-91	NZ339334	Garmondsway Moor Quarry CWS 7.13	V Standen
1996	NZ517245	ICI - Brinefield No. 4	Lawrence, I.C.
21/08/89	NZ519244	Long Drag	Weir, A.
16/08/72	NZ5327	North Gare Breakwater	GGG
15/07/70	NZ5227	Seaton Sands	GGG
1969	NZ5228	Seaton Sands	GGG

***Chenopodium bonus-henricus***  
**Good King Henry**

National Status      Vulnerable  
 County Status      Declining

Formerly quite common, the degree of decline can be seen from the map. All records are mapped, but only records after 1975 are listed.



24-Jul-05	NZ3450	A690 Houghton Cut West verge	John Liam Durkin
31-Jul-04	NY91W	Bowes	DTNFC
13-Jun-09	NY906282	Bowlees	DTNFC
21-Jun-05	NY905281	Bowlees roadside	Wild Flower Society
17/08/04	NZ1857	Byermoor Industrial Estate	Mclay, A
06-Jul-76	NZ212165	Cabin House Quarries	Burnip, M.
1978	NZ3338	Cassop Vale	GGG
06-Jul-91	NZ3438	Cassop Vale	NNU
21-Sep-76	NZ309535	Chartershaugh Bridge	Hall, Mr D.
27-Jul-77	NZ479248	Cowpen Bewley	Appleyard P
17-Jul-79	NZ411482	Dalton-le-Dale	Burnip, M.
09-Apr-78	NZ267147	Darlington	Moses, P.
07-Jul-94	NZ2162	Derwenthaugh salt marsh	Bowey, K.
15-Sep-79	NZ020495	East Cot House	Burnip, M.
04/08/77	NY953387	Eastgate	GGG
12-Sep-77	NZ0150	Edmondbyers	Ballantyne GH
29-Jun-77	NZ423298	Embleton Village	Appleyard, Miss P.R.

18-Jun-78	NZ058417	Foresters' Lodge	Burnip, M.
Sep-07	NY957125	God's Bridge	J L Durkin
20/05/76	NZ1628	High Etherley	Burnip, M.
30-Jul-80	NZ336458	High Moorsley	GGG
Sep-79	NZ345370	Kelloe	GGG
24-Jun-76	NZ252311	Leasingthorne	Burnip, M.
1985	NZ176594	Lockhaugh Bank Wood	Durkin, J.
21/08/94	NZ234136	Low Coniscliffe	DTNFC
05/11/76	NZ302318	Mainsforth	Burnip, M.
Jul-01	NZ207632	Metrocentre	J L Durkin
	NY9223 2771	Middle Side to Newbiggin	Jane Young
27-Jun-05			
24/05/77	NZ465266	Newton Bewley	Appleyard P
11-Jul-76	NZ347565	North Hylton	Hall, Mr D.
05-Jun-08	NY9226	North Of Park End Wood	John O'Reilly
1996	NZ1730	Paradise Tip	GGG
30-Apr-77	NZ1331	Park House	Burnip, M.
02-Jul-79	NZ259516	Pelton Fell	Burnip, M.
10/5/11	NZ403416	Peterlee	C Gregory
07-Jun-79	NZ265480	Plawsworth	Burnip, M.
28-Jun-79	NZ171439	Quebec	GGG
21/05/77	NZ004213	Ray Gill	Burnip, M.
01-Jun-94	NZ2062	River Derwent	Bowey, K.
26/08/94	NZ2363	River Team	Bowey, K.
20-Sep-78	NZ281289	Rushyford	GGG
03-Jul-83	NZ196628	Shibdon Pond	Moses, P.
19/11/06	NY93E	Slit Wood	J L Durkin
11-Sep-77	NZ254493	South Burn	Newton, A.
03-Jun-78	NY982388	Stanhope	Burnip, M.
29-Jun-78	NY941425	Stotfield Burn	Burnip, M.
26-Jun-76	NZ112254	The Slack	Burnip, M.
08-Jul-76	NZ0438	Thornhope Beck	Burnip, M.
11-Jul-81	NZ307334	Thrislington Hall ruin	Burnip, M.
13-Jun-02	NY987242	Toft Rigg to Swinkley Knoll, N Verge	John Liam Durkin
10-Sep-77	NZ239519	Tribley Farm	McCallum Webster M
11-Jul-76	NZ277355	Tudhoe	Burnip, M.
17-Jul-01	NZ2354	Urpeth Forge road verges	Mclay, A
28-Aug-76	NZ1839	Weather Hill Wood	Graham Et Al, Rev G.G.
03/08/08	NZ178263	West Auckland	J L Durkin
03-Jul-10	NZ1826	West Auckland	J L Durkin
24/08/96	NZ1430	Witton-le-Wear	GGG
24-Aug-06	NZ169308	Witton-le-Wear Viaduct	John Liam Durkin

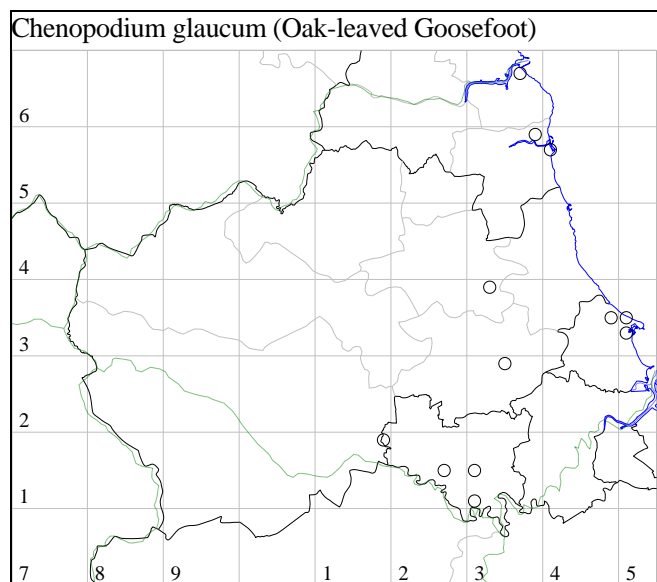


***Chenopodium glaucum***  
**Oak-leaved Goosefoot**

National Status      Vulnerable  
 County Status        Declining

There are no recent records.

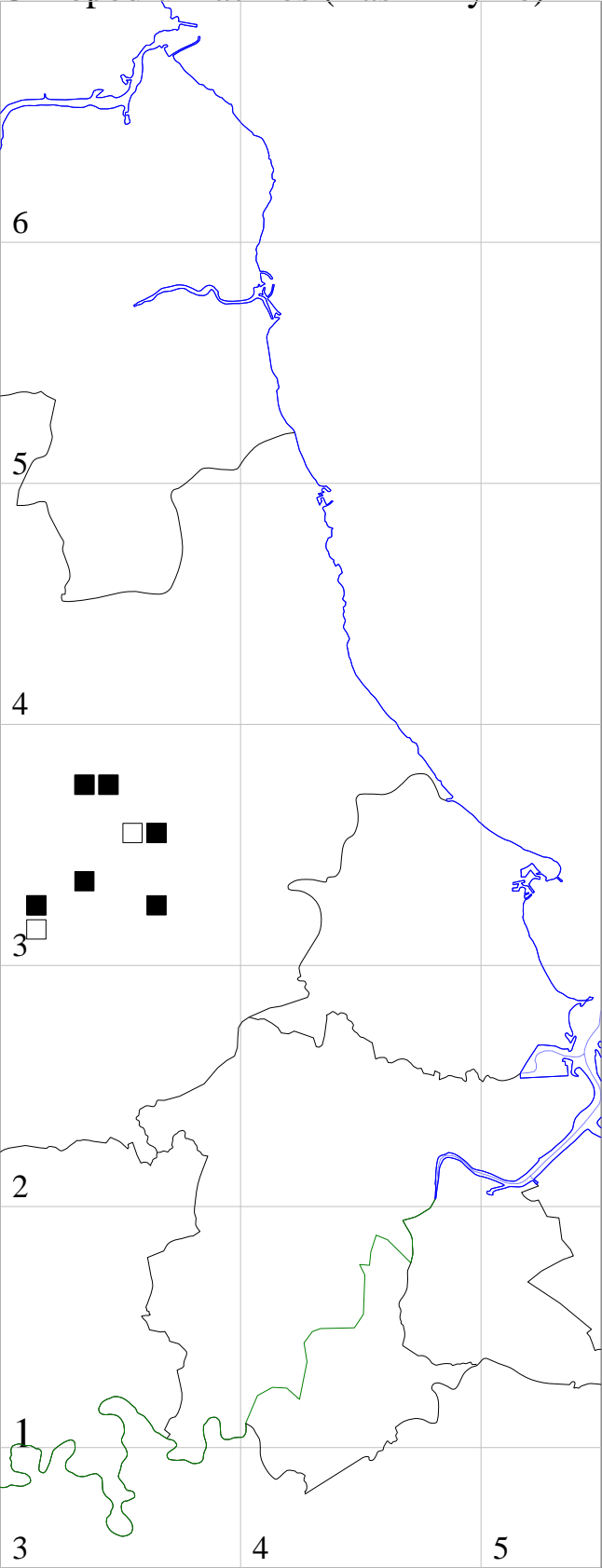
Jul 1981	NZ331393	Cassop Vale	Hopkins, Dr J.J.
05 Sep 75	NZ310151	Darlington	Wiggington MJ
26 Jul 77	NZ499357	Hartlepool North Sands	McAndrew, Mr R.T.
25 Aug 72	NZ503355	Hartlepool Slake	Graham et al, Rev G.G.
18 Jun 76	NZ313117	Hurworth Moor	Wiggington, M.J.



**Clinopodium acinos**      **Basil Thyme**

National Status      None  
County Status      Scarce, declining.

**Clinopodium acinos (Basil Thyme)**



Jul-91	NZ362327	Fishburn	Standen, Dr V.
Jul-91	NZ339333	Garmondsway Quarry	Standen, Dr V.
18/09/10	NZ3337	Quarrington Hill Grasslands SSSI	Sarker, Falgunee
2000	NZ3437	Quarrington Hill Grasslands SSSI	Natural England
1970	NZ318327	Thrislington Plantation	Graham, Rev G.G.
10-Jul-05	NZ3132	Thrislington Plantation NNR	DTNFC
Jul-75	NZ364353	Trimdon Grange	Todd, Dr A.
29-Jul-75	NZ357350	Trimdon Grange	Moses, Mrs P.
Jul-91	NZ360353	Trimdon Grange & Railway CWS 7.17	Valerie Standen

**Cochlearia anglica**  
**English Scurvy-Grass**

National Status      None  
County Status      Rare

1991	NZ384667	Trow Point	Boyce, Mr R.
1986	NZ3965	The Leas	National Trust

*Crepis mollis*

Northern Hawksbeard

National Status

County Status

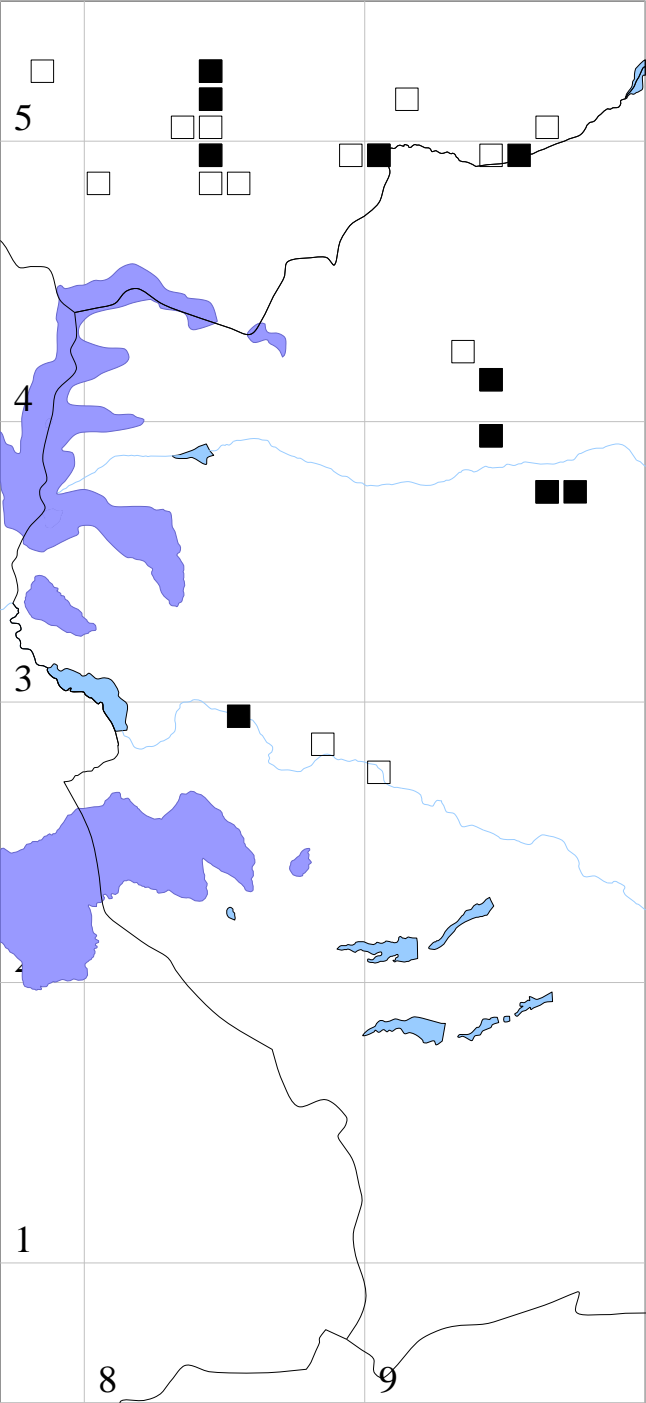
Endangered

Scarce

Rare and sparse on dry grassy banks, meadows and wood pasture in the Pennines. There are older, doubtful lowland records.

John o'Reilly has been studying this species in North-east England.

Crepis mollis (Northern Hawk's-beard)



Update map

22/08/65	NY8828	High Force	Hodgson E
23-Jul-71	NY904279	Winch Bridge	GGG
23-Jul-91	NY944413	Smailsburn	GGG
18/08/77	NY9449	Hunstanworth	Dunn, T C
16-Jul-71	NY947396	Sunderland Cleugh	GGG
Jul-91	NY947397	Sunderland Cleugh LWS 3.0.5	Valerie Standen
10-Jul-08	NY951492	Verge between Hunstanworth and Baybridge	John O'Reilly
11-Jul-08	NY968376	Meadow south of Horsley Burn (Weardale)	J O'Reilly & Julia Quinonez
11-Jul-08	NY96921375	West Newlandside Farm SSSI	John O'Reilly & Julia Quinonez
	NY97303745		
	NY97323748		
	NY97373749		
	NY97383744		
	NY97393745		
	NY97373756		
	NY97393756		
	NY97403748		
	NY97423746		
	NY97423749		
	NY97433755		
	NY97433756		
	NY97443751		
	NY97443753		
	NY97453753		
	NY97453754		
	NY97463753		
	NY97463754		

***Cuscuta epithymum*      Dodder**

National Status	Vulnerable
County Status	Extinct

A casual not seen for some years.

There are no recent records.

***Cypripedium calceolus* Lady's Slipper**

National Status	Critically Endangered
County Status	Rare, re-introduced

Magnesian limestone coastal denes. Castle Eden Dene is the most well known and recorded site, but there were also Ladies Slipper Orchids in Hawthorn Dene, and just possibly in Horden Dene.

**Castle Eden Dene** 1777 S Robson.

“In the north branch of the dene called the Black Dene, and in the main branch opposite the Garden of Eden, also on the first great white rock on the north side near the sea coast 9<sup>th</sup> July 1797”, Winch, reported in 1832. The “Black Dene” is probably the dene now called Blunts Dene.

In 1848 four plants were seen by R Carr. None could be found by R Burdon in 1856. The Burdon family, local landowners, had been the custodians of the Ladies Slipper Orchids for many years, so this failure to find any plants is significant.

**Hawthorn Dene**, LSO were seen by Mrs D M Metcalfe in the wild and in local greenhouses in the 1920s. Miss M Charlton had a specimen picked for her by a local policeman on Whit Monday, 1926.

“In another dene some miles further to the north [of Castle Eden Dene] Mr John Cameron gathered it in 1874 and observed 17 plants with MR E C Robson on a further visit (on a land slip on the southern side). F A Lees 1875 and 1876. This is almost certainly Hawthorn Dene, but could possibly be Horden Dene.

**Conservation-** The sites are in Castle Eden Dene National Nature Reserve and in Hawthorn Dene SSSI.

***Cystopteris alpina***

National Status	Critically Endangered
County Status	Extinct

There are no recent records, despite careful searches.

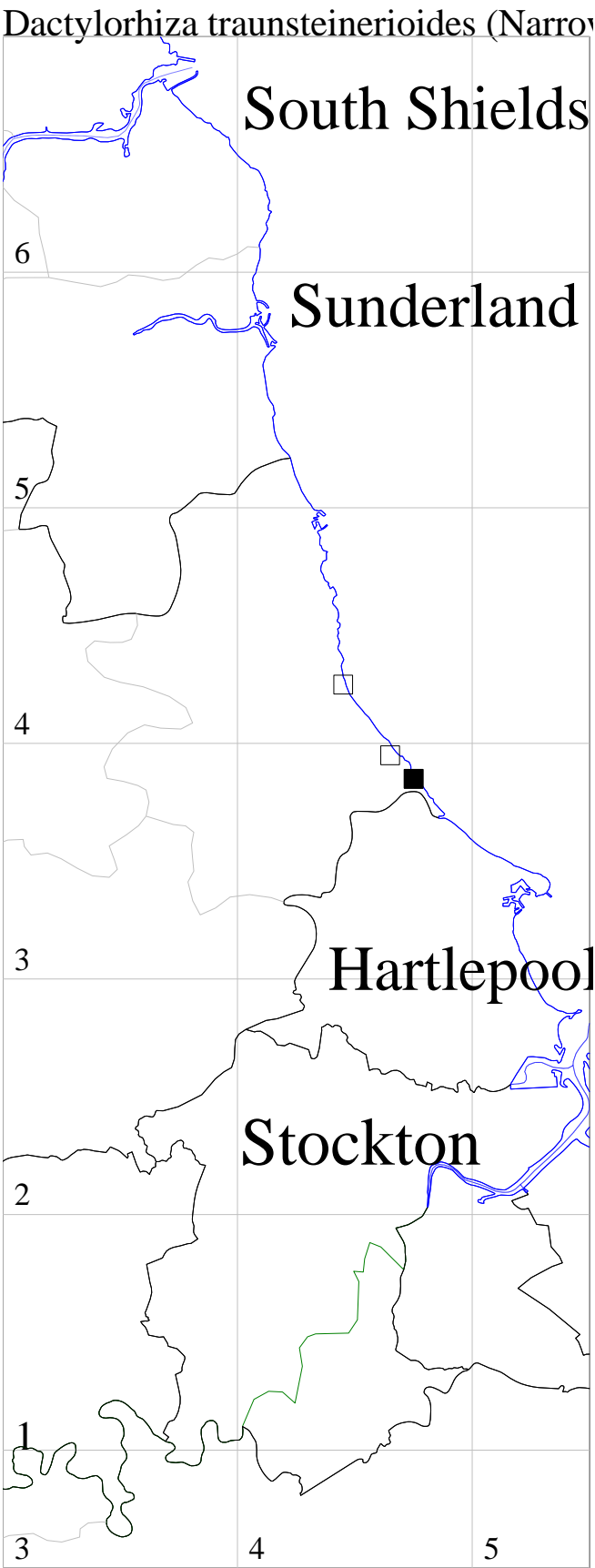
***Dactylorhiza traunsteinerioides***  
**Narrow-leaved Marsh Orchid**

National Status       Scarce  
County Status       Rare

Rare in flushed grassland on magnesian limestone coastal cliffs.

**Conservation** All of the sites are within the Durham Coast SSSI. The Blackhall and Blue House Gill sites are also in a Durham Wildlife Trust reserve.

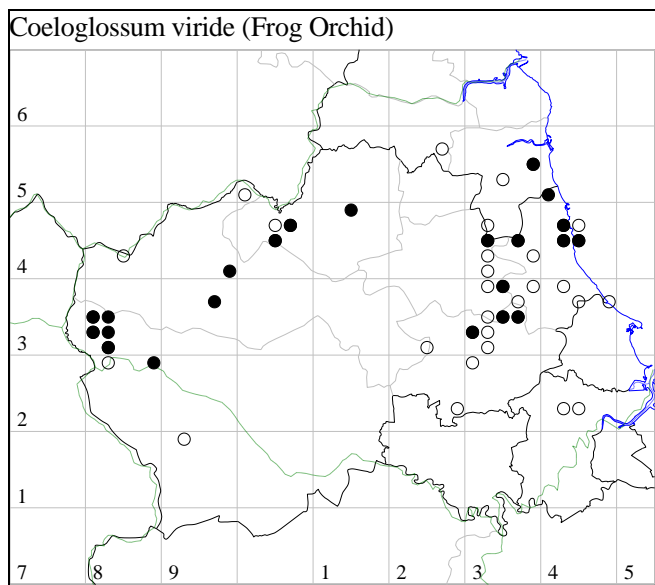
1953	NZ4639	Blue House Gill	JWHH and Richardson, J A
05/07/83	NZ447427	Horden Point	Lowe, M.R.
17/06/90	NZ475385	Blackhall Rocks	Mitchell, D.N.



# Dactylorhiza viride      Frog Orchid

National Status      Vulnerable  
County Status      Declining

Still well distributed in the county, but has declined, particularly on the inland magnesian limestone sites.



## Dales sites

29/05/03	NY894283	B6277, W of access to East Friar House, N verge.	K Bowie, K Cunningham F Daly.
10-Jul-03	NY820342	B6277, E of Rough Rigg, N verge	K Bowie, K Cunningham F Daly.
12-Sep-77	NY850421	Burtree Fell	Burnip, M.
25-Jul-09	NY82092 32030	Field S of Marshes Gill	John O'Reilly
02-Jul-09	NY82253 33404	Force Foot meadow	John O'Reilly
02-Jul-07	NY8134	Force Hill	J O'Reilly
09-Jul-07	NY8232	Forest-in-Teesdale	Schober, Marie
1989	NY9318	Hannah's Meadows SSSI	English Nature
02-Jul-07	NY8133	Herdship	J O'Reilly
Aug-91	NZ064474	Horsleyhope Mill Meadow LWS 1.7	Valerie Standen

16-Jul-82	NZ064473	Low Horsleyhope	Graham, Rev G G.
1981	NZ065474	Low Horsleyhope	Lowe, M R
15-Jun-05	NZ149480	Lanchester Way, North side of track	A & G Young
2009	NY83G	Lingy Hill, Marshes Gill & Stoney Hill farms	John O'Reilly
25-Jul-09	NY82296 32688 NY82302 32662 NY82295 32668	Meadow north-west of Marshes Gill	John O'Reilly
May-09	NY83F	Marshes Gill (Binks House meadows) & Greenhills farms	John O'Reilly
26-Jun-09	NY83556 31880	Meadow SW of Greenhills	John O'Reilly
1981	NZ059460 NZ059459	Nanny Mayer's Incline	Lowe, M.R.
Jul-90	NZ0545	Nanny Mayer's Railway LWS 1.8	Valerie Standen
03-Jun-77	NY8331	River Tees	Burnip, M.
18-Aug-09	NY81423 33344	South of Clover Yard	John O'Reilly
05-Jul-06	NY986409	Stanhope Dene, bank down to waterfalls	A & G Young
05-Jul-06	NY987407	Crawleyside quarry, near first pool from road	A & G Young
19-Jun-74	NY8132	Stoney Comb	Burnip, M.
26-Aug-06	NZ055452	Waskerley Way	Len Fallick & G Young
1990	NY972374	West Newlandside Meadows SSSI	English Nature
1977	NY8329	Widdybank Farm	Bradshaw, Dr M.E.



## Magnesian Limestone sites

31-Jul-74	NZ2822	Aycliffe Quarry	Doody, P.
1973	NZ441453	Beacon Hill	Metcalfe, DM
1976	NZ4423	Billingham Beck	Appleyard P.R.
1971	NZ4223	Billingham Bottoms	McAndrew R.T.
1968	NZ336319	Bishop Middleham working quarry	GGG
1970	NZ336318	Bishop Middleham working quarry	GGG
13-Jun-72	NZ3332	Bishop Middleham Quarry SSSI	GGG
1968	NZ341383	Cassop Quarry	GGG
28-Jun-00	NZ341384	Cassop Vale	A & G Young
1978	NZ3338	Cassop Vale	GGG
1978	NZ3339	Cassop Vale	GGG
20-Jun-96	NZ4347	Chourdon Bay	GGG
02-Jun-04	NZ443453	Easington	A & G Young
	NZ442453		
1981	NZ481364	Hart Warren	Lowe, M R
1981	NZ429398	Hart Warren	Lowe, M R
09-Jul-74	NZ369446	Haswell	Dunn, T.C.
Jul-98	NZ363443	Haswell	Coles, A.
1995	NZ438468	Hawthorn Dene	White, A.
29-Jun-08	NZ4371 4612	Hawthorn Quarry edge, quarry spoil	A & G Young
07-Jun-06	NZ437464	Hawthorn Quarry	Andy Mclay
29-Jun-08	NZ4387 4639	Hawthorn quarry, near entrance	A & G Young
	NZ4384 4650		
08-Jun-08	NZ4445	Hawthorn Hive	CNFC
13-Jun-98	NZ315326	Thrislington NNR	DWT Hedges Survey
19-Jul-77	NZ346526	Herrington Hill & Woods	GGG
1981	NZ4437	Hesleden Dene	Lowe, M R
1983	NZ339461	High Moorsley	Lowe, M R
1981	NZ246308	Kirk	Lowe, M R

		Merrington	
1987	NZ3345	Moorsley Banks SSSI	English Nature
02-Jul-75	NZ319299	Nunstainton East	Wiggington, M.J.
1969	NZ3737	Old Wingate	GGG
20-Jun-92	NZ3244	Pittington	Boyce, R.
1992	NZ3344	Pittington Hill	Boyce, R.
1968	NZ327386	Quarrington Hill	Graham, Rev G G.
08-Jul-09	NZ3535	Raisby Quarry	Richards, A.J.
09-Jul-79	NZ341358	Raisby Hill	Lowe, M.R.
1984	NZ3375 3540	Raisby Hill Grassland SSSI	English Nature
1975	NZ335409	Running Waters Quarry	Davis, Dr B.N.K.
Jun-71	NZ335420	Sherburn	Wheeler, Dr B.D.
14/06/06	NZ310326	Thrislington	G Young
1968	NZ317328	Thrislington	GGG
1968	NZ3133	Thrislington	GGG
10-Jun-07	NZ3124 3254	Thrislington	A & G Young
24-Jun-01	NZ361352	Trimdon Limestone Quarry SSSI	CNFC
10-Jul-99	NZ392546	Tunstall Hills	Coles, A.
28-Jun-10	NZ391546	Tunstall Hills	A & M White
1983	NZ397399	Edderacres	Lowe, M R
17-Jul-05	NZ4344	White Lea	DTNFC

***Daphne mezereum* Mezereon**

National Status      Vulnerable  
County Status      Probably hortal

Gordon Graham described this plant's former presence at Tunstall Hills as possibly native. It would have been the northernmost native site for this shrub.

Hortal, Stanhope riverbank, 2006.

***Dianthus deltoides* Maiden Pink**

National Status      Near Threatened  
County Status      Rare or extinct.

Gordon Graham said in his Flora "very rare on sunny banks. Formerly found in several localities, but only one extant site is known". The one site was at Edmundbyers, but the plant has now gone from there.

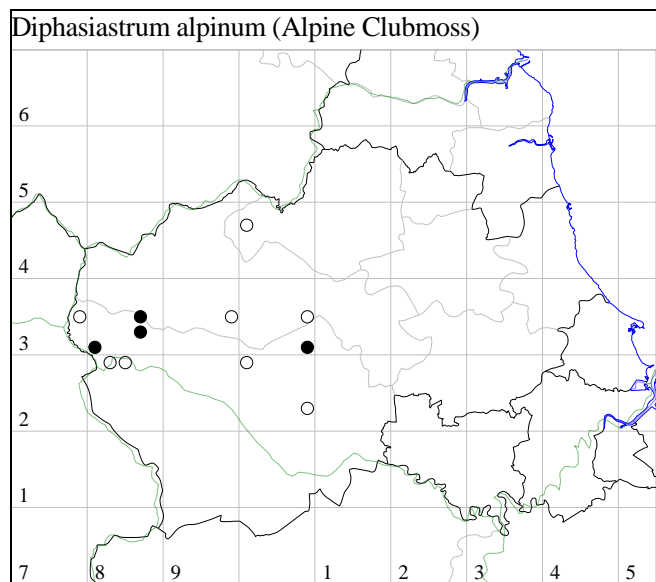
The old records are listed here, in the hope that it may be re-found.

1952	NZ0649	R Derwent	Bowman JTB
1952	NZ0750	Allensford	Bowman JTB
1944	NZ2755	Birtley	JW HH.
07/08/1951	NZ3131	Mainsforth	Richardson, Dr J

***Diphasiastrum alpinum* Alpine Clubmoss**

National Status      None  
County Status      Scarce, declining.

28-Jun-78	NZ0823	Gibbsneese	Bradshaw, ME and Sykes, M
07-Jan-89	NZ0129	Hamsterley Forest	Barrett, Trina
23-Jul-06	NZ03V	Hamsterley Forest	DTNFC
2002	NY83R	Harthope Head	Hedley, S.
June 2011	NY86286 35278	Harthope Head Quarry	Mel Lloyd
03-Jul-76	NZ0934	Knitsley Fell	NNU field meeting
2011	NY8130	Slapstone Sike	M.E. Bradshaw
04/08/75	NY7834	Yad Moss	G.G. Graham, M.J. Wiggington



*Dryas octapetala*

Mountain Avens

National Status

County Status

Scarce

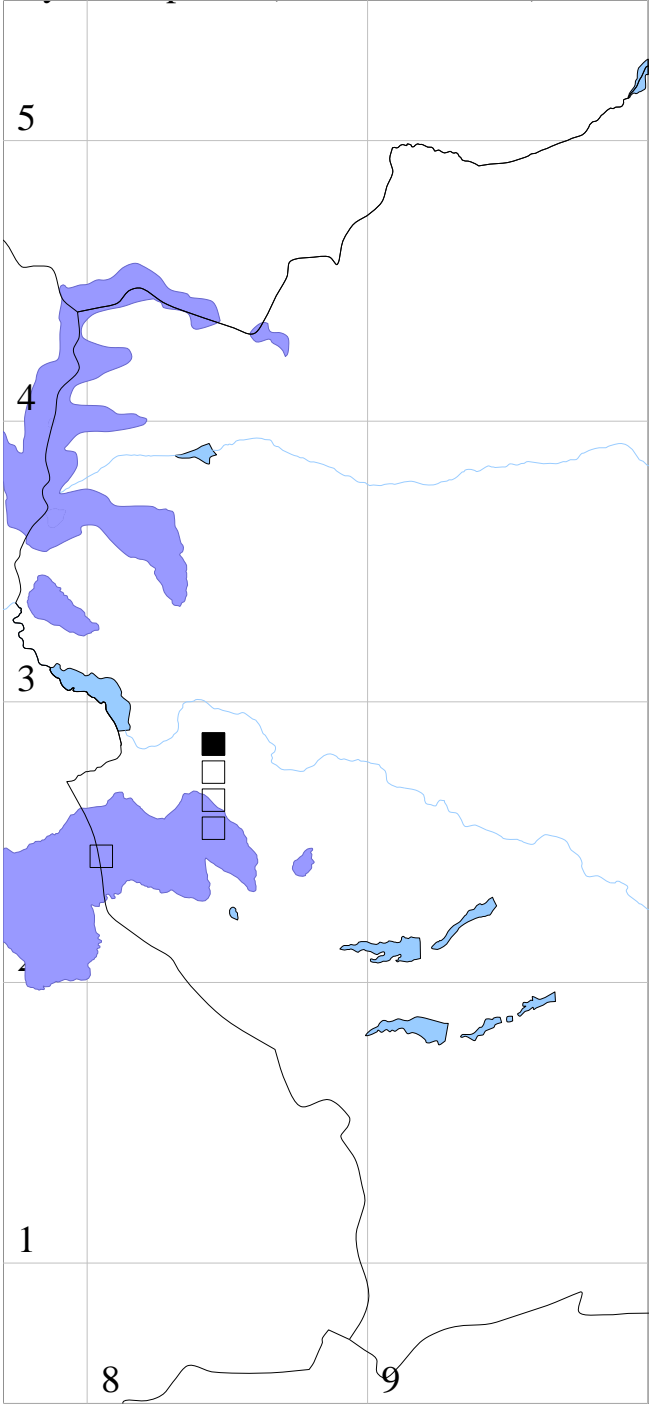
Rare

Only recorded from Cronkley Fell, vc65, where the site is now within one of the “exclosures”. There are older records from Mickel Fell, where it may still be present.

**Conservation-** The sites are in the Upper Teesdale Nature Reserve.

18-Jun-06	NY848283	Cronkley Fell	Cleveland Naturalists Field Club
-----------	----------	---------------	----------------------------------

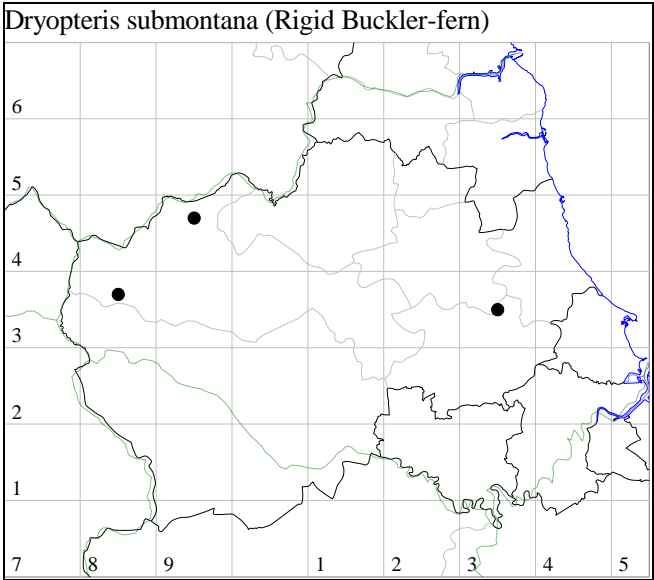
Dryas octopetala (Mountain Avens)



***Dryopteris submontana***  
**Rigid Buckler Fern**

National Status        Scarce  
County Status        Rare

Not recorded at the time of Gordon Graham’s Flora, but now known to be present at three sites, two in the Dales and one on the magnesian limestone. These are this fern’s northernmost sites in Britain. They are marked as hortat in the “New Flora”, but appear to natural colonists.



***Eleogiton fluitans*** **Floating Club-rush**

National Status        None  
County Status        Not recently recorded.

16 Jul 1970	NY854286	Tarn Dub	Hall, E.M. MacAlister
30 Jul 1981	NY853287	Tarn Dub	Newbold, C.

14/07/04	NY857375	Ireshopeburn, old silver/ lead mine.	J L Durkin
04/11/07	NY955464	Ramshaw	J L Durkin
2006	NZ341352	Raisby quarry	J L Durkin

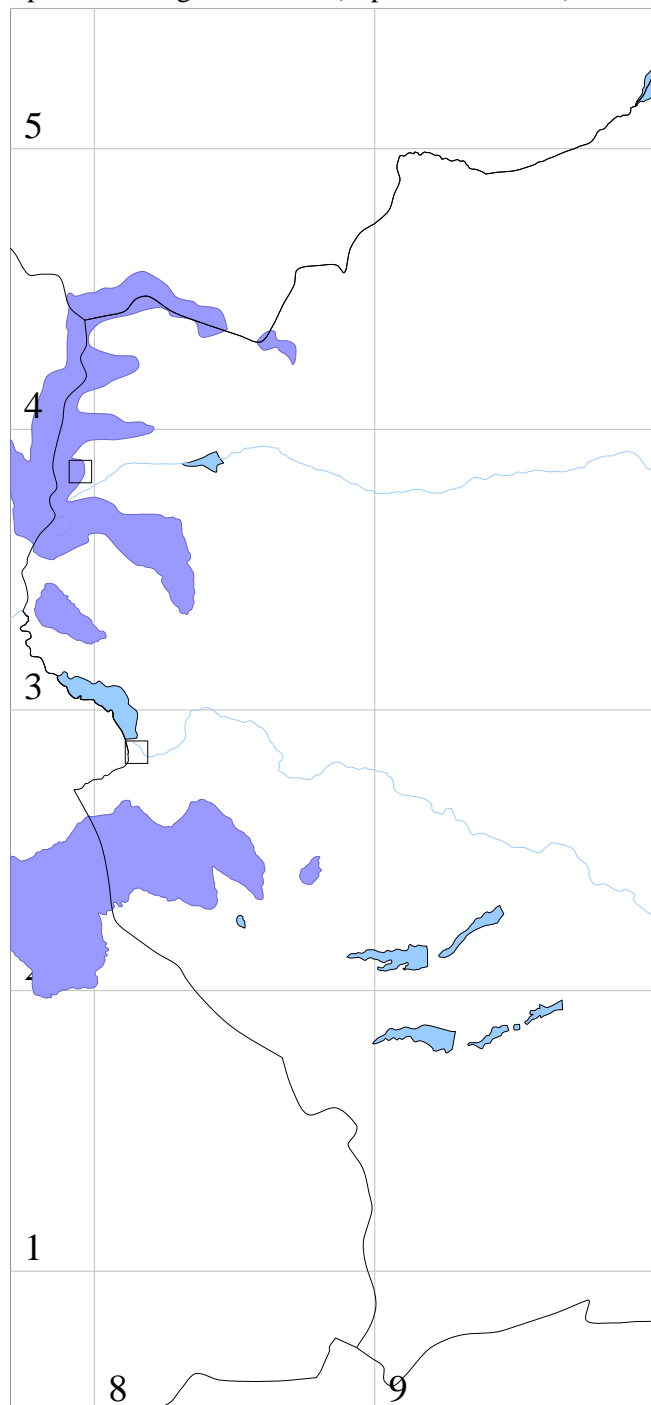
***Epilobium anagallidifolium***  
**Alpine Willow Herb**

National Status      A "Scottish" species  
 County Status        Rare

County Durham has a large proportion of the English distribution of this willow herb. It is poorly recorded, because of the remoteness of its sites.

19/08/80	NY7938	Burnhope Seat	GGG
1939	NY8128	Cauldron Snout	JWHH & Temperley, G W

*Epilobium anagallidifolium* (Alpine Willowherb)

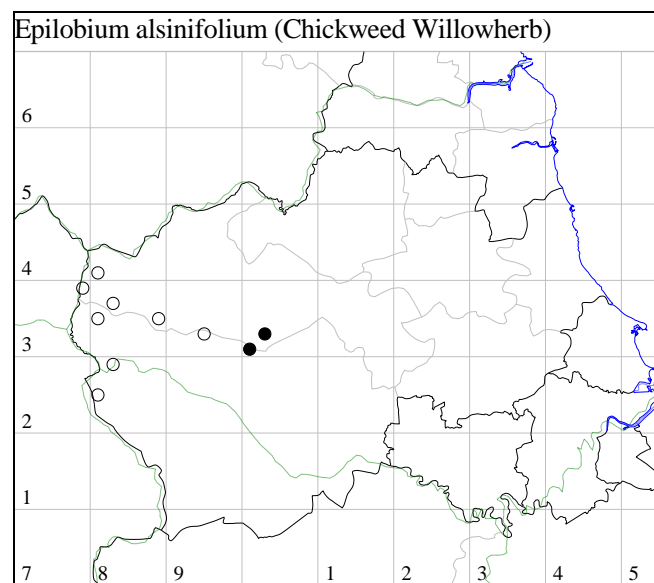


***Epilobium alsinifolium***  
**Chickweed Willowherb**

National Status        None  
 County Status        Scarce, declining.

01-Jun-78	NY956337	East Todd Sike	Burnip, M.
19-Aug-80	NY793383	Dead Stones	GGG
24-Aug-72	NY833363	Ireshope Moor	GGG
14-Oct-98	NZ021322	Pikestone Fell	McCutcheon, D.E.
01-Aug-07	NZ03A	Sharnberry Gill	J L Durkin
19-Jun-77	NY891342	Swinhope Head House	Burnip, M.

*Epilobium alsinifolium* (Chickweed Willowherb)



***Epipactis atrorubens***  
**Dark Red Helleborine**

National Status      Scarce  
 County Status        Scarce

On the magnesian limestone, mostly in disused quarries. The disused quarries at Bishop Middleham and Raisby, both Durham Wildlife Trust reserves, are probably the best British sites for this orchid.

There is one upland site, at Cronkley Fell.

County Durham has a significant proportion of the national distribution of this species, and the best sites.



Photographed in County Durham  
 by UKWildflowers.com

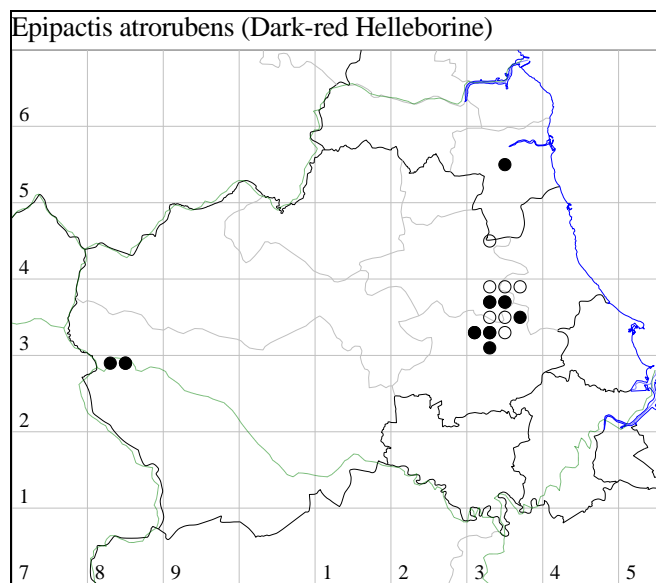
**Magnesian Limestone sites**

14/06/06	NZ318327	Thrislington NNR	A & G Young
	NZ318328		
1999	NZ319326	Thrislington NNR	Boyce, R.
11/08/09	NZ319329	Thrislington NNR	J Durkin
1968	NZ317328	Thrislington NNR	GGG
11/08/09	NZ318324	Rough Furze Quarry LWS 7.27	John Liam Durkin
2000	NZ3337	Quarrington Hill Grasslands SSSI	Natural England
01/07/10	NZ341375	Quarrington Hill Grasslands SSSI	D Mitchell
1970	NZ325364	Coxhoe	Masters P
01-Aug-80	NZ331328	Bishop Middleham Quarry	GGG
11/08/09	NZ330325	Bishop Middleham Quarry	John Liam Durkin
09/07/11	NZ330328	Bishop Middleham Quarry	John Liam Durkin
	NZ330326		
	NZ330327		
	NZ331325		
	NZ331326		
	NZ331327		
13-Jun-98	NZ332337	Fox and Hounds	DWT Hedges Survey
1985	NZ3345	High Moorsley Quarry	R Strachan & J Durkin
26/07/77	NZ338399	Cassop Vale	GGG
1973	NZ350394	Cassop Vale	GGG
1974	NZ343397	Silent Bank	Way, J M
1973	NZ337399	Running Waters	GGG
1973	NZ343398	Witch Hill	GGG
1973	NZ343399	Witch Hill	Richardson, Dr J.A.
05/07/80	NZ335353	Raisby Quarry	GGG
1977	NZ3435	Raisby Quarry	Masters PJ
23/07/73	NZ3375 3540	Raisby Quarry	Thompson Dr I.
30/06/92	NZ353544	Hastings Hill	Hall, D.
1968	NZ362382	The Bottoms	Shimwell, D
08-Jul-09	NZ36426 35373	Trimdon Railway Walk	Richards, A.J.
Jul-99	NZ367354	Trimdon Grange Pit Heap LWS 7.36	Stobbs, J.



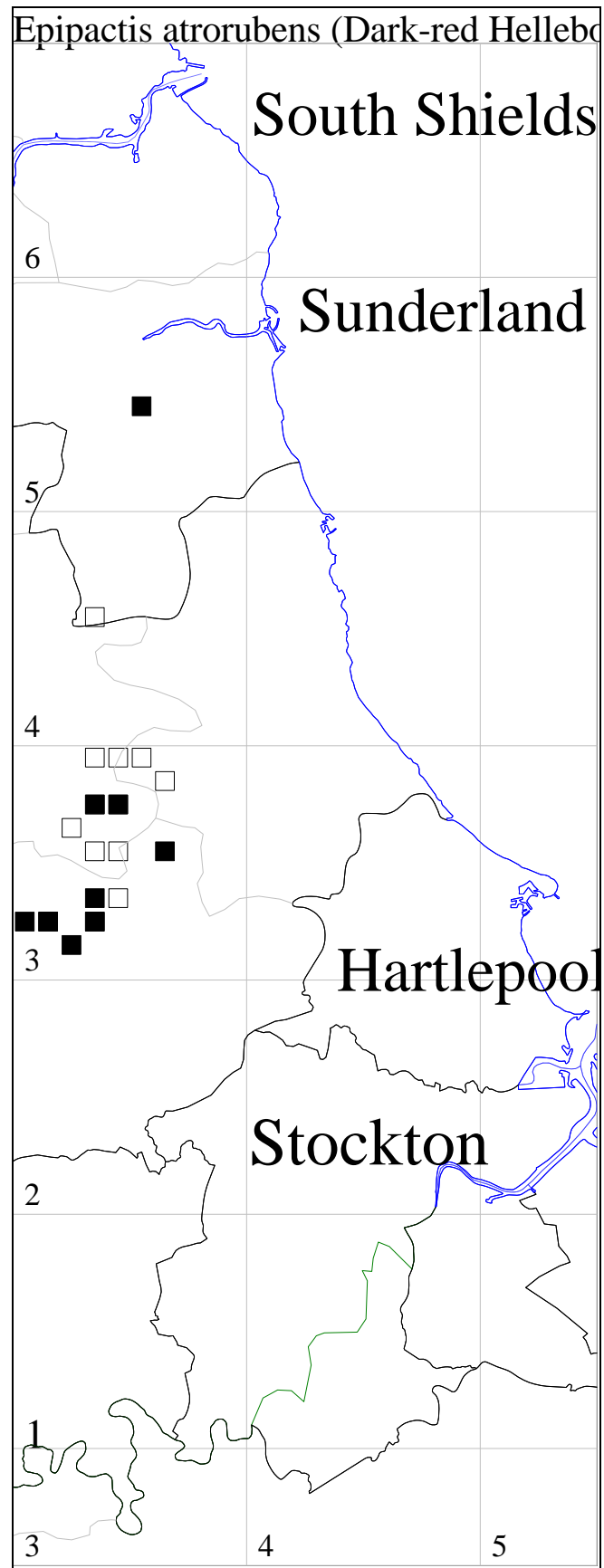


Dark Red Helleborine at Bishop Middleham Quarry



### Upper Teesdale Sites

2007	NY8428	Cronkley Fell	Bradshaw Dr ME
31/07/76	NY851283	Cronkley Fell	Lang, D.C.
July1967	NY839282	Cronkley Fell, White Well	Ratcliffe, D.A.



***Epipactis dunensis***  
Dune Helleborine

National Status      Rare  
County Status        Rare

Recorded from a single site, where it has been known for many years.

**Conservation-** The plants are in a Local Wildlife Site.

Jul-94	NZ4936	Hart Warren	Chris J. Lowe (Dr.)
--------	--------	-------------	---------------------

***Epipactis palustris***  
Marsh Helleborine

National Status      None  
County Status        Scarce

07/08/73	NZ4639	Blackhall Rocks	Burnip, M.
21/07/70	NZ4936	Crimdon Dene	GGG
21/07/70	NZ4936	Hart Warren	GGG
11 Aug 2009	NZ318324	Rough Furze Quarry CWS 7.27	J L Durkin
Jul 1981	NZ316327	Thrislington Plantation	Bruce, C.
1989	NZ3132	Thrislington Plantation NNR	Lowes, M.

***Epipactis leptochila***  
Narrow Lipped Helleborine

National Status      Scarce  
County Status        Rare

Wooded river banks influenced with lead mining spoil deposits.

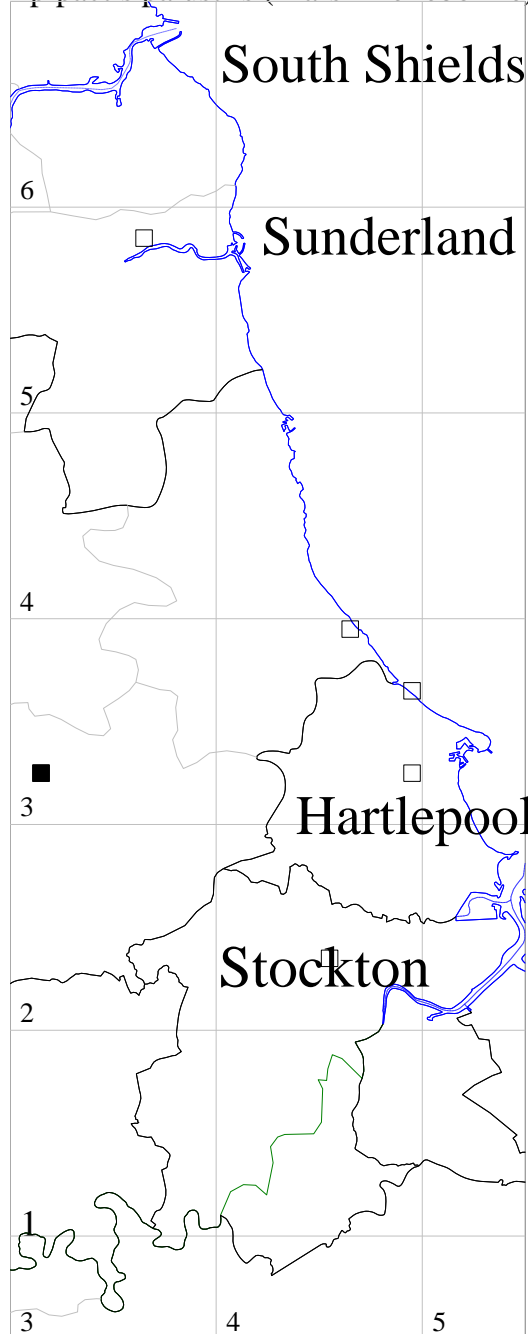
The Durham site is the downstream continuation of a much larger Northumberland distribution. Numbers have declined as the site has become more densely wooded.

Between Wylam and Clara Vale.

**Conservation-** The plants are in a Local Wildlife Site.

22-May-01	NZ125647	Tyne riverbanks, Wylam	John Liam Durkin
-----------	----------	------------------------	------------------

*Epipactis palustris* (Marsh Helleborine)



## *Equisetum pratense* Shady Horsetail

National Status Scarce  
County Status Scarce

Stream banks in upper Teesdale and along the Rookhope Burn.

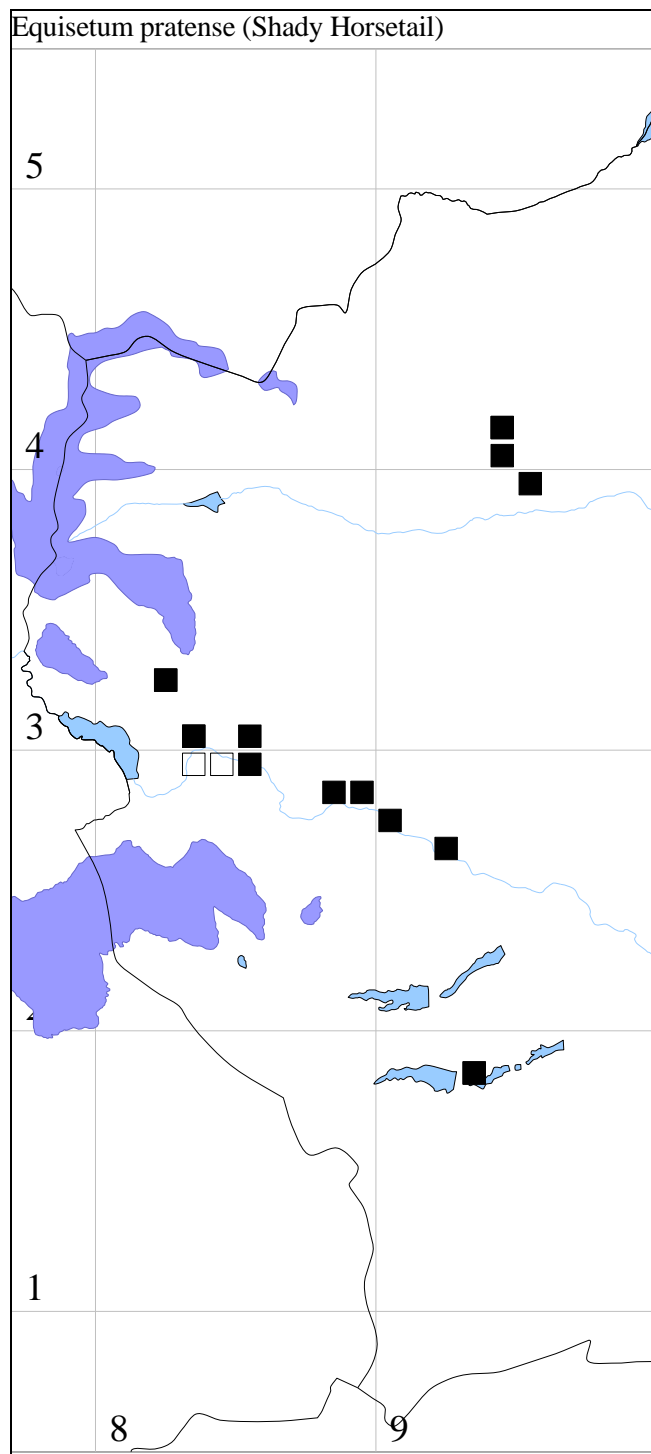
Branched forms are present at most of the sites. The Rookhope branched plants were initially identified as the hybrid with *E. sylvaticum*, but subsequently determined by Marcus Lubiensky as a branched form of *E. pratense*.

County Durham has a significant proportion of the national distribution of this species, and all or almost all of the English population.

**Conservation-** Most of the Teesdale sites are in the Upper Teesdale National Nature Reserve. The Rookhope sites are partly, but not entirely, in a LWS.

### Teesdale sites

28/05/09	NY823326	Tees bank at Marshes Gill	John O'Reilly
2009	NY823327	Forest-in-Teesdale	Natural England
	NY824326		
	NY826323		
	NY855300		
1977	NY8329	Widdybank Farm	Bradshaw, Dr M.E.
31-May-07	NY837300	Widdybank Farm	John O'Reilly
1974	NY8429	Cetry Bank	Elkington T.
19-Jun-09	NY85453019	Saur Hill Bridge	John O'Reilly
07-Aug-09	NY855299	S of Saur Hill Bridge on N side of beck	John O'Reilly
19/06/09	NY85502996	Wheysike House	John O'Reilly
	NY85542997		
	NY85592985		
28-Jul-07	NY85622987	Harwood Beck, bankside	Ann & Gordon Young
30/06/06	NY8828	High Force	Wood, D& Woods, M
21-Jun-99	NY9027	Winch Bridge, VC65	Jones, Vincent
05/06/07	NY924263	N of Park End Wood	John O'Reilly
27/07/91	NY933188	High Hat	Sykes, M.
02/06/80	NZ161173	Gainford	GGG



### Rookhopedale Sites

27/05/11	NY947405	Rookhope Burn	A McLay
	NY946411		
1998	NY943417	Rookhope Burn	John Durkin
	NY946407		
1979	NY943418	Rookhope Burn	Burnip, Mrs M.
27/04/05	NY944416	Rookhope Burn	A and G Young
20/06/05	NY953390	Rookhope Burn	A and G Young

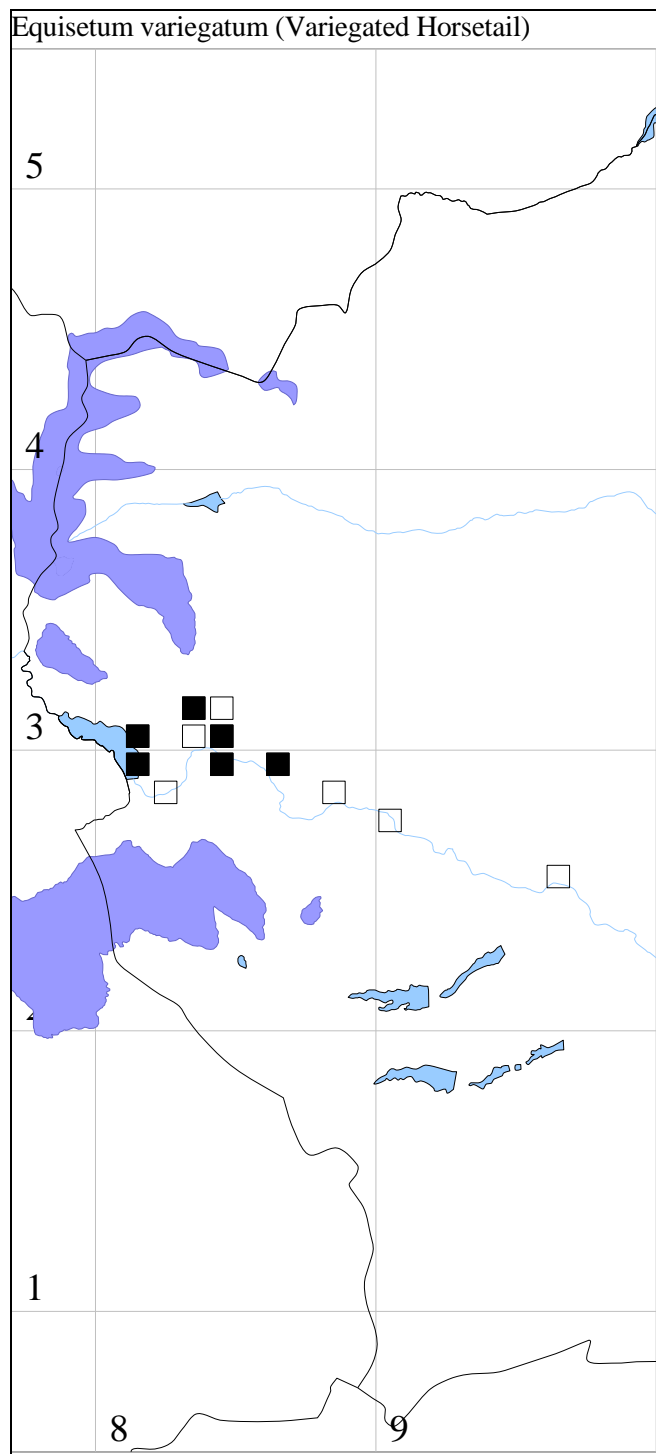
***Equisetum variegatum***  
**Variegated Horsetail**

National Status      Scarce  
County Status        Scarce

Rare on wet rock ledges and damp eroded soil at Widdybank and formerly down the Tees to Middleton in Teesdale.

**Conservation-** Most of the sites are in the Upper Teesdale Nature Reserve.

30/06/06	NY844298	Cetry Bank	Wood, D& Woods, M
12/07/06	NY8529	Harwood Beck	G Young
1976	NY862295	Cronkley Bridge	Sykes, M.
1974	NY820281	Falcon Clints	Gibbons, RB
21/05/08	NY8166 2943	Red Sike	A & G Young
1991	NY818294	Red Sike	Rich, Dr T.
12-Jul-06	NY862294	River Tees, 50m up-river from Cronkley Bridge	Ann & Gordon Young
28-Jul-07	NY8603 2960	River Tees, riverside bank	A & G Young
2011	NY8163 2950	Roadside at Red Sike	J L Durkin
08/07/09	NY84338 30938	Sand Sike	J O'Reilly
2011	NY8152 3044	Slapestone Sike	J L Durkin
1978	NY838302	Widdybank Farm	Sykes, M.
03/07/09	NY8331	Widdybank Fell	Schober. M
15/09/81	NY842301	Widdybank Pasture	Graham, Rev G G.
2009	NY844309	Widdybank Pasture	Natural England
1989	NY903279	Winch Bridge	Stark, Mr G.



***Eryngium maritimum***  
**Sea Holly**

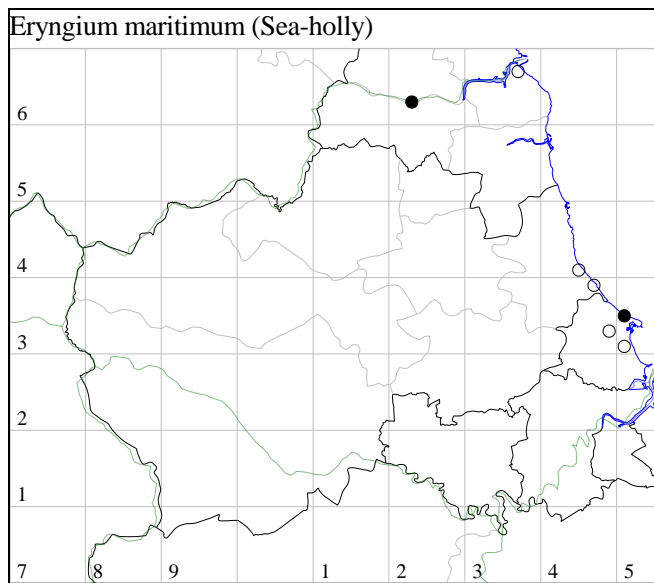
National Status      None  
County Status        Rare

Not seen as a native plant since 1948, but  
found within its former range in 2011 by  
David Shimwell.

The Gateshead site was planted in 1990.

Trace Results...

17/08/2001	NZ2362	Gateshead Garden Festival site	J L Durkin
1948	NZ4639	Blackhall Rocks	Lowe, R.H.
16/09/2011	NZ511351	Hartlepool North Sands	Shimwell, Dr D.W.



# *Euphrasia arctica arctica*

## Arctic Eyebright

National Status

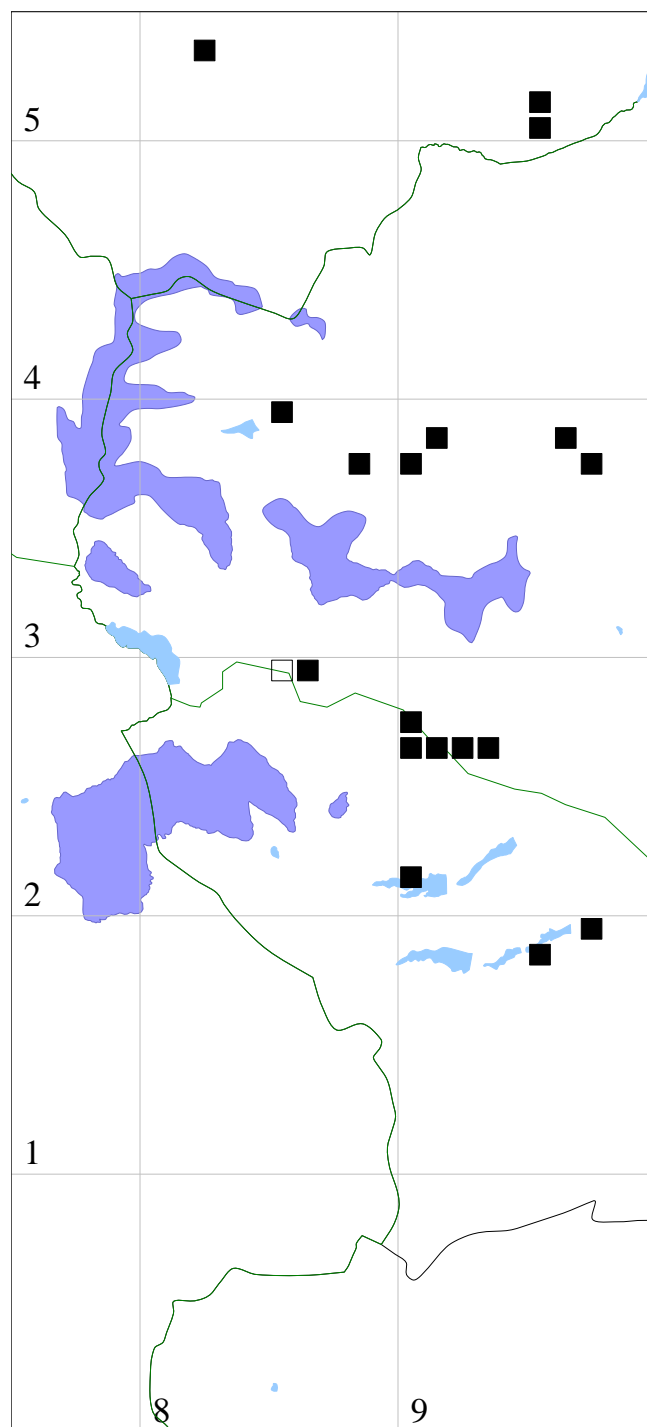
Data deficient

County Status

Scarce

10 Jul 2008	NY850398	upland haymeadow north of Black Cleugh, Wearhead	Fiona Corby
27 Jun 2008	NY856391	upland haymeadow at Irestone	J O'Reilly & J Quinonez
28 Jun 2008	NY861295	Haugh Hill	John & Clare O'Reilly
27 Jun 2008	NY887378	upland haymeadow at Rigg Side, St John's Chapel	J O'Reilly & Julia Quinonez
10 Jun 2008	NY902379	bank in meadow west of Westgate	John O'Reilly
09 Jul 2008	NY907218	upland haymeadow east of Wemmergill Hall farm	Fiona Corby
04 Jun 2008	NY909268	bank in meadow at Low Way Farm, Holwick	John O'Reilly
05 Jun 2008	NY909273	meadow by River Tees	John O'Reilly
03 Jun 2008	NY910389	upland haymeadow at Scutter Hill	John O'Reilly
19 Jun 2008	NY917263	upland haymeadow E of Millbeck Wood	John O'Reilly
05 Jun 2007	NY927263	upland haymeadow by River Tees	John O'Reilly
19 Jun 2008	NY931262	upland haymeadow at Stonygill Foot	John O'Reilly
13 Jun 2008	NY951185	damp area in semi-improved hay meadow, W of Pitcher House	O'Reilly, J and Quinonez, J
11 Jun 2008	NY959187	upland haymeadow at Scoon Ban	John O'Reilly
06 Jun 2008	NY963382	meadow W of Horsley Hall Stanhope	John O'Reilly
11 Jun 2008	NY970194	edge of upland hay meadow at West Briscoe	John O'Reilly
11/07/08	NY973375	West Newlandside	John O'Reilly J Quinonez
	NY974375		

*Euphrasia arctica* subsp. *arctica*





***Euphrasia officinalis monticola***  
**An Eyebright**

National Status      Vulnerable  
 County Status      Rare

Grassy tracksides.

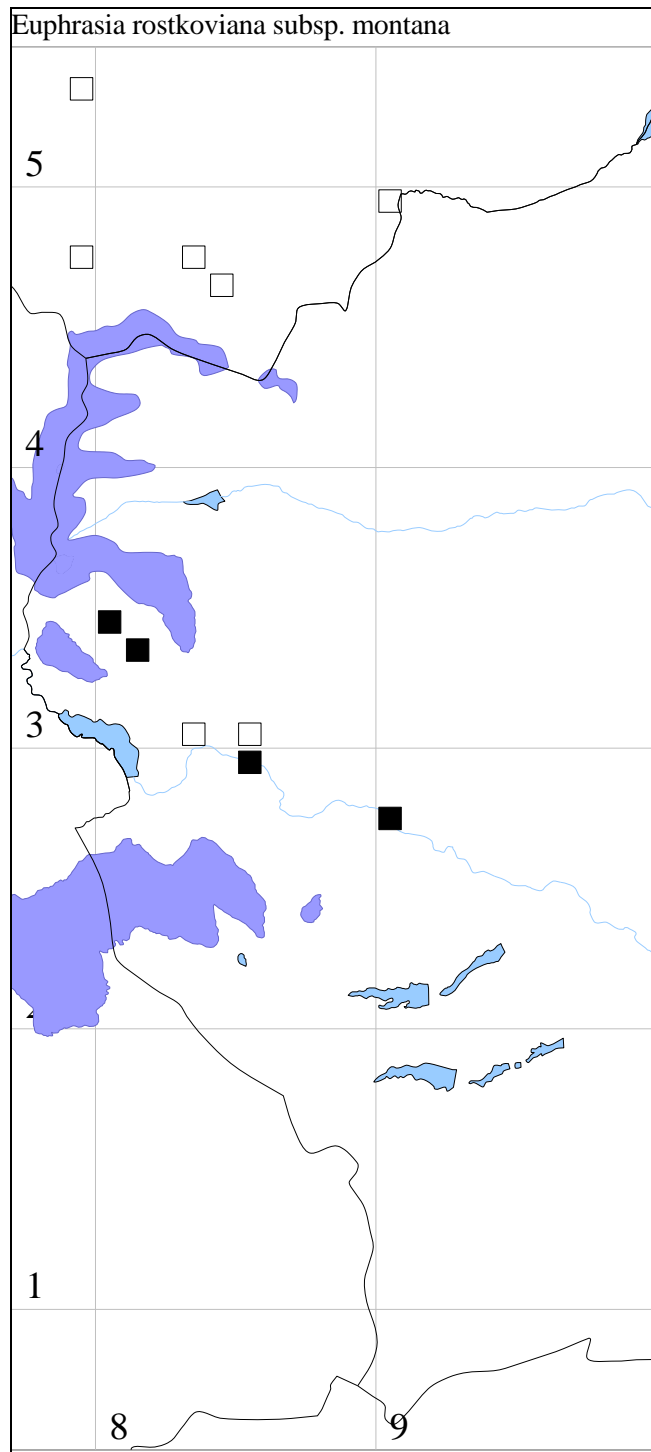
**Conservation-** All of the sites are in the Upper Teesdale Nature Reserve and SSSI or in adjacent SSSIs.

02-Jul-07	NY813338	Herdship	J O'Reilly
2009	NY823326	Forest-in-	Natural
	NY824325	Teesdale	England
13-Jul-08	NY8329	Widdybank Farm	Simpson, G
21/06/00	NY8034	Frog Hall	Schober, M
02-Jul-07	NY810339	Frog Hall	J O'Reilly
18/08/09	NY81441 33348	South of Clover Yard	John O'Reilly
1976	NY8330	Widdybank Pasture	Graham, Rev G.G.
27/06/02	NY8529	Whey Sike	Schober, M
01/09/07	NY8428	Cronkley Fell	J L Durkin
03-Jul-07	NY904276	Meadow S of Winch bridge	John O'Reilly

***Euphrasia ostenfeldii***  
**An Eyebright**

National Status      Scarce, Data deficient  
 County Status      Rare  
 One old record, from Teesdale.

Jul 1927	NY8128	Falcon Clints	J. Fraco
----------	--------	---------------	----------



***Euphrasia tetraquetra***  
**Western Eyebright**

National Status      None  
 County Status      Rare

1981	NZ44K	Castle Eden Dene Mouth	Richards, A.J & Haigh, M.
03/09/81	NZ473388	Blackhall Rocks	Appleyard, Miss P.R.
03/09/81	NZ4639	Blackhall Rocks	Appleyard, Miss P.R.

***Festuca altissima*****Wood Fescue**

National Status

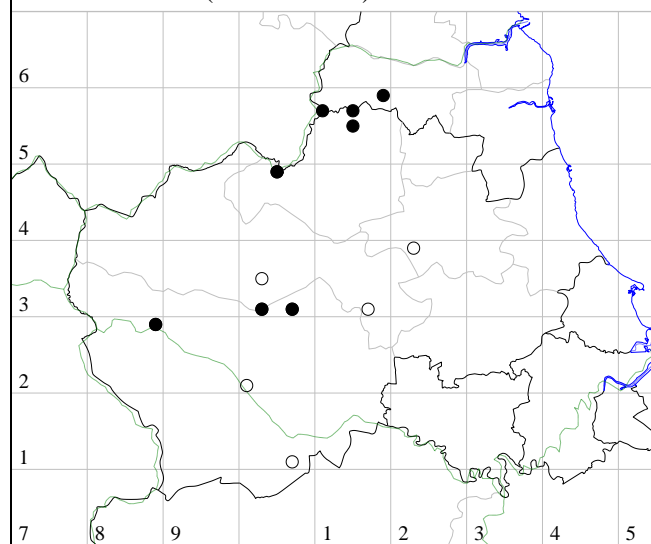
None

County Status

Scarce, declining.

1987	NZ01Q	Brignall Banks SSSI	English Nature
1983	NZ03Q	Ayhope Beck	Simpson G.
08-Jul-06	NZ0784 3101	Ayhope Beck	J & C O'Reilly
Feb-08	NZ140574	Chopwell Crag	J L Durkin
Feb-08	NZ141574	Chopwell Crag	J L Durkin
10-Feb-08	NZ181594	Gibside, Snipes Dene	J L Durkin
10-Feb-08	NZ181596	Gibside, Viaduct Wood	J L Durkin
17-Jun-73	NZ023308	Hamsterley Forest CWS 6.25 Sharnberry Beck	Burnip, M.
16/04/11	NZ022308	Hamsterley Forest CWS 6.25 Sharnberry Beck	A McLay
Jun-90	NZ075312	Hamsterley Forest	GGG.
Feb-92	NZ024307	Hamsterley Forest CWS 6.25	V Standen
	NZ077311		
30/06/06	NY8828	High Force	Wood, D & Woods, M
Nov-09	NZ1057	Milkwellburn Wood	J L Durkin
10/09/09	NZ0541 4886	Muggleswick Woods	Richards, A.J.
06/04/11	NZ054488	Muggleswick Woods	J L Durkin
06/04/11	NZ051491 to NZ052491	Muggleswick Woods	J L Durkin
16/04/06	NZ1454	Pontburn Woods, W Trust	J L Durkin
1984	NZ02A	Shipley & Great Woods SSSI	English Nature
1974	NZ23J	Brancepeth	Burnip, M.
1969	NZ1631	Witton-Le-Wear Nature Reserve	GGG

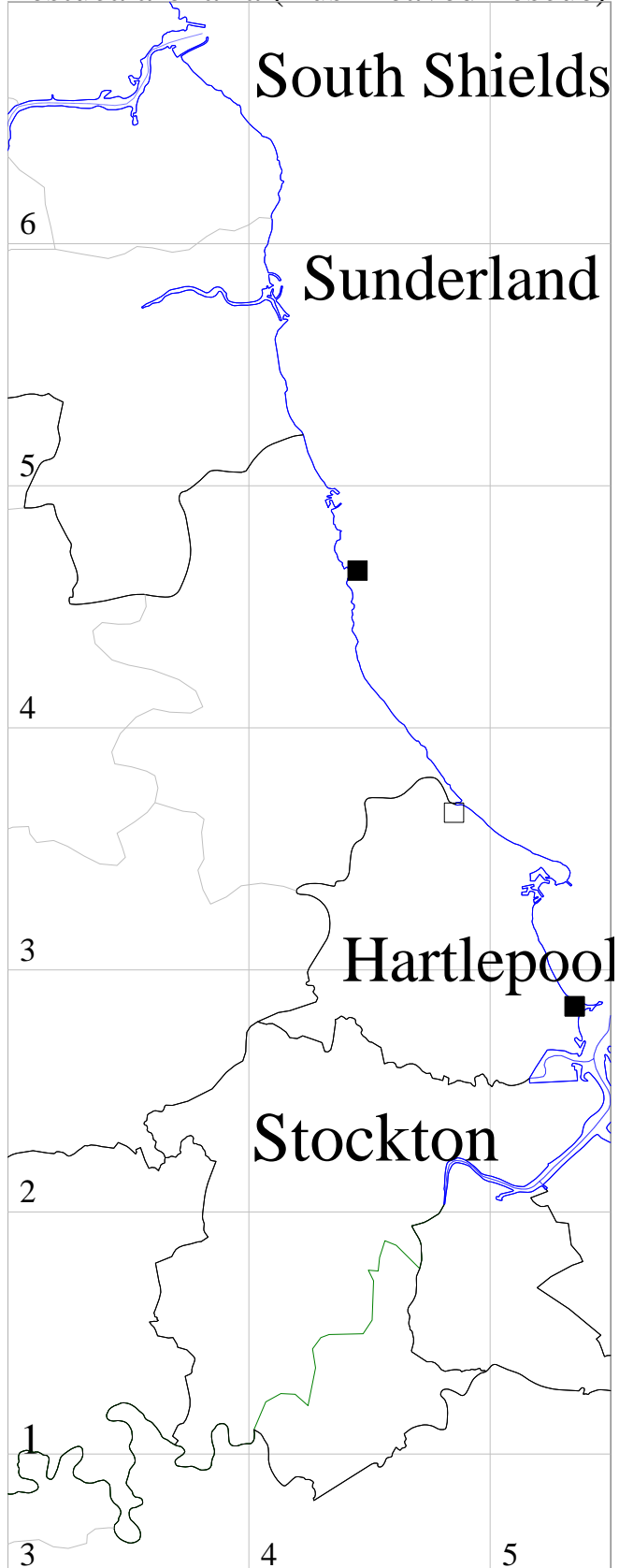
Festuca altissima (Wood Fescue)



***Festuca arenaria***  
***Rush-leaved Fescue***

National Status      Scarce  
County Status        Rare.

*Festuca arenaria* (Rush-leaved Fescue)

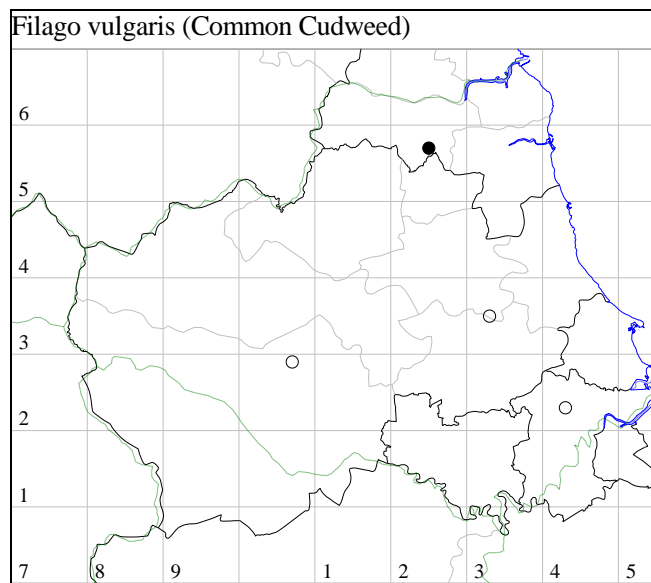


07/06/06	NZ4446	Hawthorn Hive	G Young
21/06/69	NZ4836	Crimdon Dene	GGG
21/06/69	NZ4836	Hart Warren	GGG
08-Jul-01	NZ5328	North Gare	Lawrence I.C.
12/05/78	NZ531289	Seaton Sands	GGG.
08/06/03	NZ52J	Seaton Sands and Snook	J O'Reilly & C Coleman

***Filago vulgaris***      **Common Cudweed**

National Status      Near Threatened  
County Status        Rare

Very rare in dry sandy places.



1960	NZ0629	Hamsterley Forest	Wanless, T.W.
01-Jul-07	NZ2556	Tyne Yard	Andy Mclay
11-Jul-72	NZ439231	Norton	GGG

**Filipendula vulgaris****Dropwort**

National Status      None  
County Status        Scarce, declining.

The main sites for this southern species are, perversly, at the northern edge of the magnesian limestone.

1986	NZ0213	Kilmond Scar	English Nature
	NZ0313	SSSI	
Jul-69	NZ331326	Bishop Middleham Quarry	Bellamy, Prof D.J.
11-Aug-09	NZ332327	Bishop Middleham Quarry SSSI	J L Durkin
1969	NZ338388	Cassop Vale	GGG
29/07/10	NZ387635	Cleadon Waterworks	Julia Quinonez
14/09/93	NZ433312	Crookfoot Reservoir	Lowe, C.J.
1999	NZ4064	Marsden Grotto, S of.	Boyce, R.
Jul-79	NZ402647	Marsden Rocks	Bradshaw Dr M.E.
18-Aug-05	NZ3960 6377	South Shields Golf Course	HS/FC for E3 Ecology
1968	NZ318331	Thrislington Plantation	Shimwell, Dr D.W.
1975	NZ405641	Trow Quarry	Davis, Dr B.N.K.

**Frankenia laevis****Sea Heath**

National Status      Near Threatened  
County Status        Rare

A single, probably doubtful record from possibly suitable habitat. Needs checking.

Apr 1989	NZ520261	Tioxide	Newell
----------	----------	---------	--------

**Fumaria purpurea****Purple Ramping –Fumitory**

National Status      Scarce  
County Status        Extinct

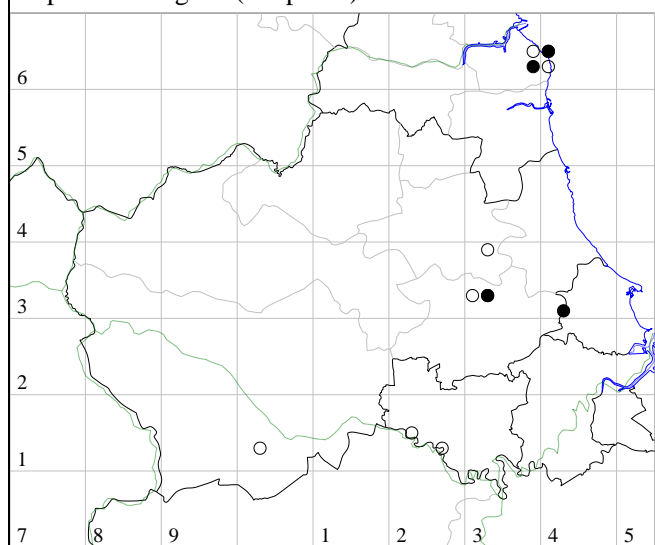
No recent records.

**Galeopsis angustifolia** Red Hemp-nettle

National Status      Critically Endangered  
County Status        Extinct

No recent records.

Filipendula vulgaris (Dropwort)

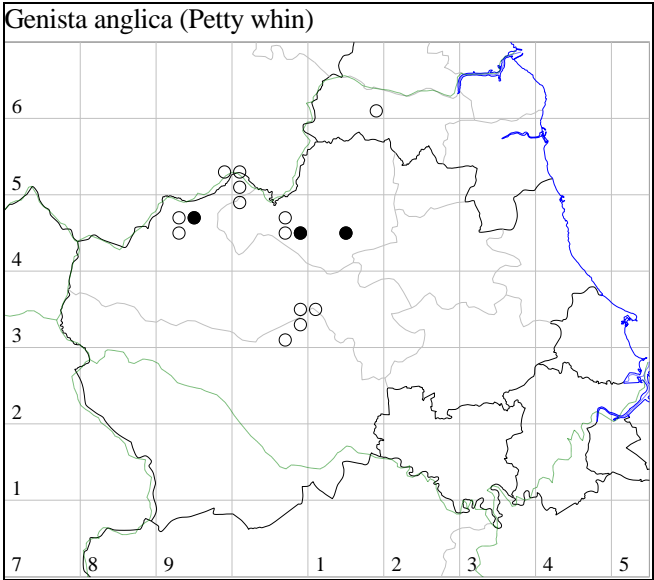


# **Genista anglica**      **Petty Whin**

National Status      Near Threatened  
County Status      Scarce

On the road verges of the lower heather moors, between Bedburn and Wolsingham and at Muggleswick and Stanhope Commons.

Formerly more widespread, the map shows a strong decline.



12/06/76	NY936458 NY938463	Hunstan- worth Moor	Burnip, M.
21/05/99	NY941471	Baxton Law verge	McCutcheon D.E.
1972	NY942473	Hunstan- worth	Stubbs, F.B.
22/05/76	NY999520 NZ002521	Derwent Reservoir	Graham, Rev G.G.
23/05/73	NZ071315	Low Redford	GGG
27/05/78	NZ072466	Whitehall Moss	Burnip, M.
12/10/72	NZ0834	Harthope Beck	Burnip, M.
Feb-94	NZ0845	Stuartfield Moor LWS 1.24	Valerie Standen
27/05/78	NZ085455	North Plantation	Shaw, M.
1976	NZ100350	Black Banks Plantation	Gates, Dr P.
1975	NZ094347	Knitsley Fell	Todd, Dr A.
28/05/71	NZ110341	Knitsley Fell	Moses, P.
Jul-91	NZ144447	Ragpath Heath LWS 1.25	V Standen
1989	NZ145448		Dunn, T.C.
1977	NZ189610	Derwent Walk	Weston, T J
12/09/77	NZ010497	Burnhope Burn	BSBI

## ***Gentiana verna* Spring Gentian**

National Status Nationally Rare  
County Status Scarce

In short grazed turf on limestone, upper Teesdale.

County Durham, famously, has a significant proportion of the national distribution of this species.

**Conservation-** Most of the sites are in the Upper Teesdale Nature Reserve or in adjacent SSSIs.

05/06/93	NY781353	Crook Burn	GGG
	NY781354		
	NY782344		
1970	NY779339	Crook Burn	Haes, ECM
26/06/93	NY781336	Herdship Fell	GGG
	NY781334		
	NY781343		
	NY780333		
05/06/93	NY782341	Herdship Fell	GGG
	NY782343		
	NY782341		
	NY783344		
2009	NY811337	Herdship	Natural England
10/06/79	NY812337	Herdship	Blakemore J
1970	NY782331	Viewing Hill	Haes, Mr E.C.M.
	NY782335		
	NY783338		
24/06/78	NY781328	Holdenhurth Band	Burnip, Mrs M.
	NY782342		
1985	NY782345	Holdenhurth Band	Wilson, P.J.
	NY782348		
1978	NY804325	Bleak Law	NCC
1970	NY803308	Pikestone Hurth	BSBI
28/05/93	NY805314	Pikestone Hurth	GGG
1978	NY805317	Pikestone Hurth	NCC
	NY807314		
2009	NY808339	Hill End	Natural England
26/06/93	NY810310	Cow Green	GGG
26/06/93	NY814312	Long Band	GGG
26/06/93	NY814312	West Common	GGG
26/06/93	NY815312	West Common	GGG
28/05/93	NY815308	Cow Green	GGG
21/05/08	NY815306	Cow Green	A & G

	NY81682997	Nature Trail	Young
21/05/08	NY817296	Widdybank Exclosure	A & G Young
25/05/73	NY823288	Cow Green	Groom R E
	NY8231		
28/05/93	NY818308	Cow Green	GGG
06/06/93	NY819309	The Knott	GGG
1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
15/09/09	NY824295	Above Wild Scar	M Schober
10/06/79	NY826344	Rough Rigg	Blakemore J
1979	NY827324	Low End	Blakemore J
1970	NY826325	Low End	Unknown
10/06/79	NY828325	Low End	Blakemore Mr J.
17/06/93	NY829332	Langdon Common	GGG
	NY830330		
12/06/93	NY829334	Langdon Common	GGG
	NY831333		
	NY831334		
12/06/93	NY829333	Birk Sike	GGG
2009	NY83003318	Tarnhole Edge	Natural England
1979	NY836331	Tarnhole Edge	Blakemore J
02-Jul-93	NY8229	Widdybank Fell	Wood DC
1970	NY815312	Widdybank Fell	BSBI
23/06/79	NY816294	Widdybank Fell	Farrell, L
03-Jul-09	NY8331	Widdybank Fell	Schober M
Jul-68	NY837299	Widdybank Fell	Wells, DA
03/06/77	NY839309	Widdybank Fell	Burnip M
1970	NY826307	Widdybank Fell	BSBI
2009	NY844309	Widdybank Pasture	Natural England
27-Jul-96	NY8330	Widdybank Pasture	McCutcheon D.E.
2009	NY844313	Langdon Beck	Natural England
1993	NY833333	Langdon Common	GGG
	NY836331		
	NY838331		
04-Jul-09	NY844309	Sand Sike	J O'Reilly
06/06/93	NY838309	Sand Sike	GGG
21-Jul-67	NY8432	Drygill Sike	Groom R E
2009	NY82633236	Harwood	Natural England
	NY83303288		
	NY82933330		
11/06/93	NY844314	Harwood Beck	GGG
1970	NY845314	Harwood Beck	Unknown
11/06/93	NY827325	Harwood Beck	GGG
1985	NY844298	Cetry Bank	Wilson, P.J.



2009	NY847296	Cetry Bank	Natural England
	NY847297		
20/05/72	NY845298	Cetry Bank	Groom, R E
12/07/06	NY8529	Harwood Beck	G Young
30-Jul-09	NY852312	Langdon Beck	Schober M
06/06/93	NY854314	Old Folds	GGG
1970	NY865294	Wat Garth	Bradshaw M
12-Jul-06	NY860295	Tees, 50m up-river past gate	A & G Young
1985	NY859297	Haugh Hill	Wilson, P.J.
12/06/93	NY861295	Haugh Hill	GGG
1993	NY862314	High Hurth Edge	GGG
	NY865312		
1985	NY864313	High Hurth Edge	Wilson, P.J.
10-Jul-79	NY809337	High Hurth Edge	Proctor H G
1993	NY866308	Middle Hurth	GGG
1993	NY870312	High Hurth	GGG
1993	NY871313	High Hurth	GGG
1978	NY871312	High Hurth	NCC
10-Jul-79	NY8732	Church Bowers	Burnip, M
Oct-90	NY8733	Fendrith Hill LWS 3.16	Valerie Standen
1974	NY8828	High Force	GGG
1977	NY8830	Ettersgill	Proctor H G
28/05/94	NY886310	High Beck Head	GGG
1985	NY895313	Valence Lodge	Wilson, P.J.



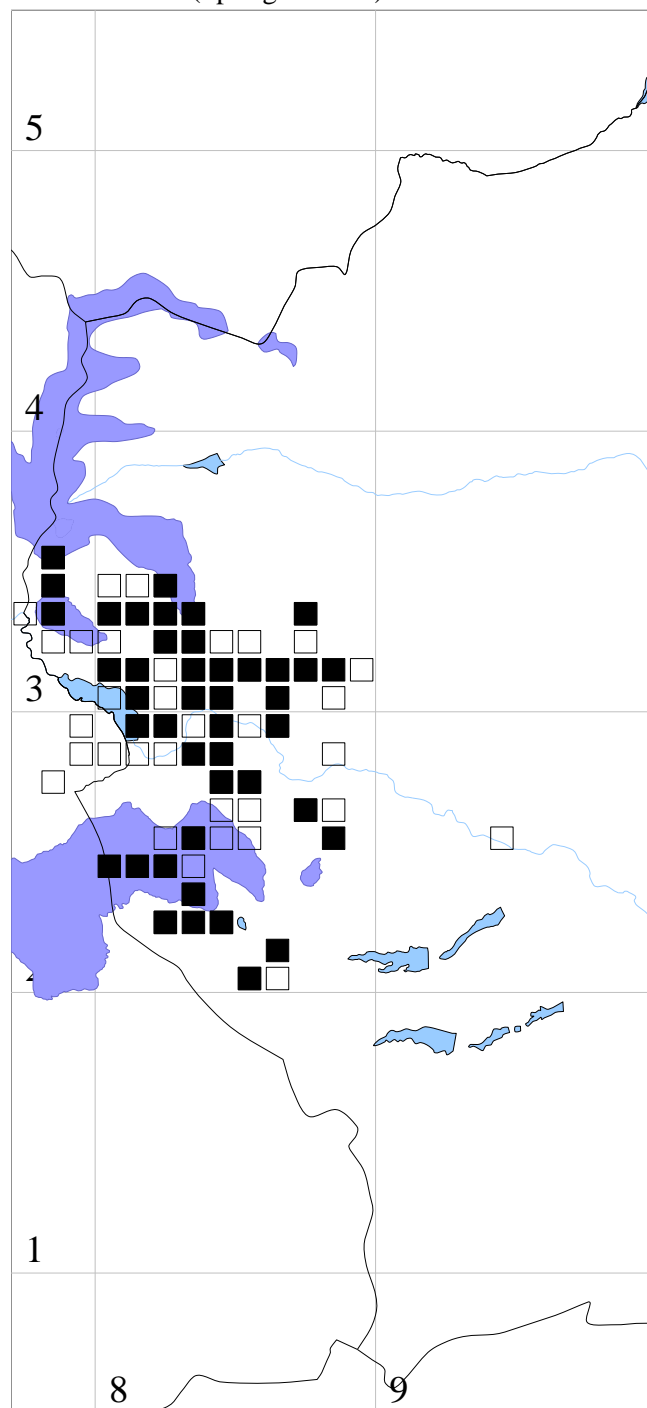
Photographed in County Durham  
by UKWildflowers.com

## VC 65 Sites

1970	NY832249	Arngill Head	Haes, ECM.
05/06/94	NY844222	Close House Hurst	Hedley, SM
	NY846222		
04/06/94	NY882259	Comb Stones Gill	Hedley, SM
01/09/07	NY8328	Cronkley Fell	J L Durkin
29/04/07	NY8542	Cronkley Fell	Robson, C
	2712		
1994	NY841279	Cronkley Fell	Findlay, I.
	NY841281		
1985	NY843284	Cronkley Fell	Wilson, P.J.
	NY845285		
1970	NY842275	Cronkley Fell	Haes, ECM.
	NY843277		
18/06/06	NY842283	Cronkley Fell exclosure	CNFC
1994	NY849284	Cronkley Knoll	Findlay, I.
24/06/79	NY840282	Cronkley Scar	Farrell, L
	NY845285		
04/06/94	NY876261	Green Fell End	Hedley, SM
1978	NY876264	Green Fell End	NCC
	NY877263		
	NY883260		
04/06/94	NY876262	Green Fell Hurth	Hedley, SM
05/06/94	NY856204	Green Thumb	Hedley, SM
1978	NY848268	High Hurst	NCC
1978	NY853267	High Hurst	NCC
05/06/94	NY862217	Hurth Edge	Hedley, SM
17/05/06	NY8325	Long Crag	Robson, C
1970	NY838256	Long Crag	Haes, ECM.
1970	NY842255	Long Crag	Haes, ECM.
1970	NY846258	Long Crag	Haes, ECM.
1970	NY835253	Long Crag W of	Haes, ECM.
1978	NY851255	Long Crag, N of	NCC
1978	NY844262	Long Crag,nr	NCC
1998	NY8322	Lune Forest SSSI	English Nature
	NY8322		
Jul-05	NY824246	Mickle Fell top	R Corner, J Roberts, Linda Robinson
1990	NY8124	Mickle Fell top	English Nature
	NY8024		
1970	NY825251	Mickle Fell, NE of	Haes, ECM.
1994	NY845284	Thistle Green	Findlay, I.

1970	NY843284	Thistle Green	Bradshaw
12/06/94	NY827229	White Band	Hedley, SM
1978	NY829229	White Band	NCC
12/06/94	NY830230	White Band	Hedley, SM
12/06/94	NY831230	White Band	Hedley, SM
1978	NY833230	White Band	NCC
1994	NY838282	White Well Green	Findlay, I.

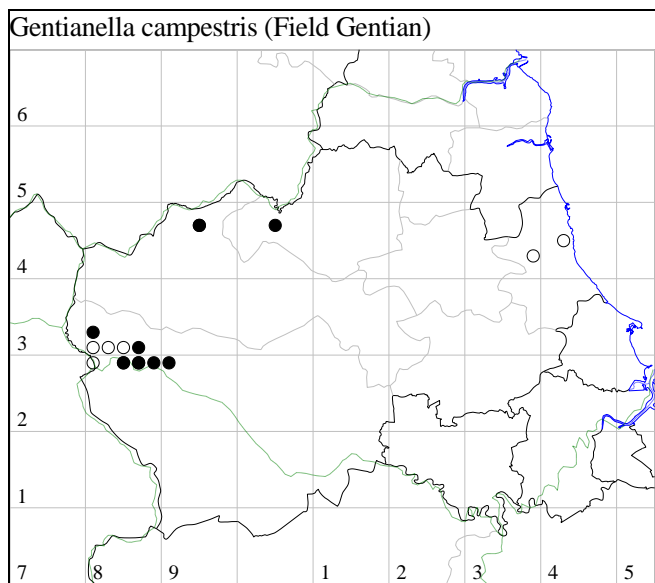
Gentiana verna (Spring Gentian)



***Gentianella campestris***  
**Field Gentian**

National Status      Vulnerable  
County Status        Scarce

Mostly in Teesdale, with two sites in the Derwent Valley and old records on the magnesian limestone.



12 Aug 09	NY81997 33466	between Force Foot and Rigg Side	John O'Reilly
10 Aug 96	NY956478	Boltshope Park	Mccutcheon, D.E.
1974	NY8429	Cetry Bank	Elkington, Dr T.T.
1973	NY8129	Cow Green Reservoir	Hudson, M.J.
21 Jul 97	NY8629	Cronkley Bridge	McCutcheon, D.E.
03 Jun 77	NY8331	Harwood Beck	Burnip, Mrs M.
09 Aug 09	NY818332	Harwood Beck	Andy Mclay
28 Jun 08	NY859296	Harwood Beck, steep bankside	John O'Reilly
28 Jun 08	NY858297	Haugh Hill	John O'Reilly
28 Jun 08	NY859297	Haugh Hill	John O'Reilly
28 Jun 08	NY858296	Haugh Hill	John O'Reilly
16 Jul 97	NZ0546	Honey Hill	McCutcheon, D.E.
1988	NY951474	Jeffrey's Rake	Simpson, Mr G.
22 Jul 71	NY855314	Langdon Beck	Graham G.G.
19 Jun 03	NY8631	Langdon Beck	Schober, Marie
28 Aug 79	NY954479	Ramshaw	Burnip, Mrs M.
29 Jul 08	NY897282	Tees bank between Wynch Bridge and Holwick Head	O'Reilly, John
29 Jul 08	NY901280	Tees bank upstream of Low Force	John O'Reilly
23 Jul 67	NY857295	Wheysike	Groom, Mr R.E.
Jul 1978	NY838302	Widdybank Farm	Bradshaw Dr M.E.
1980	NY82E	Widdybank Fell	Tennant, D.J.
1968	NY8130	Widdybank Fell	Proctor, Rev HG
27 Jul 79	NY815312	Widdybank Fell	Sykes, Mrs M.
1976	NY8330	Widdybank Pasture	Graham G.G.

***Gnaphalium sylvaticum***  
**Heath Cudweed**

National Status      Endangered  
 County Status      Rare

Rare and severely declining, on sandy soils.

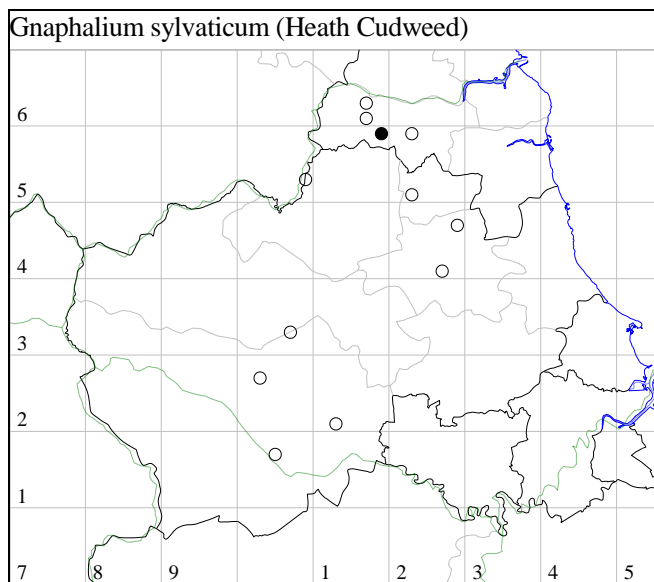
Formerly abundant at Owlet Hill, but probably extinct there now.

***Groenlandia densa***  
**Opposite-leaved Pondweed**

National Status      Vulnerable  
 County Status      Rare

2007	NZ3124	Preston-le-Skerne	Faber Maunsell
21/10/71	NZ318267	Swan Carr	GGG

25/09/77	NZ072336	Blackburn Lodge	Burnip, Mrs M.
07/11/74	NZ161621	Burn Hills	Groom, R.E.
01/10/77	NZ294472	Finchale Priory	Moses, Mrs P.
05/08/77	NZ030279	High Acton	Lear, Mrs B.
1997	NZ181598	Owlet Hill	Durkin, J.
1988	NZ178605	Thornley Wood	Groom, R.E.
10/09/77	NZ236515	Hett Hills	McCallum Webster M



***Gymnocarpium robertianum***  
**Limestone Oak Fern**

National Status      Scarce  
 County Status        Rare

On an old mine wall in Swinhope, Weardale, covering about a square metre.

The Weardale site is one of the northernmost British locations for this fern.

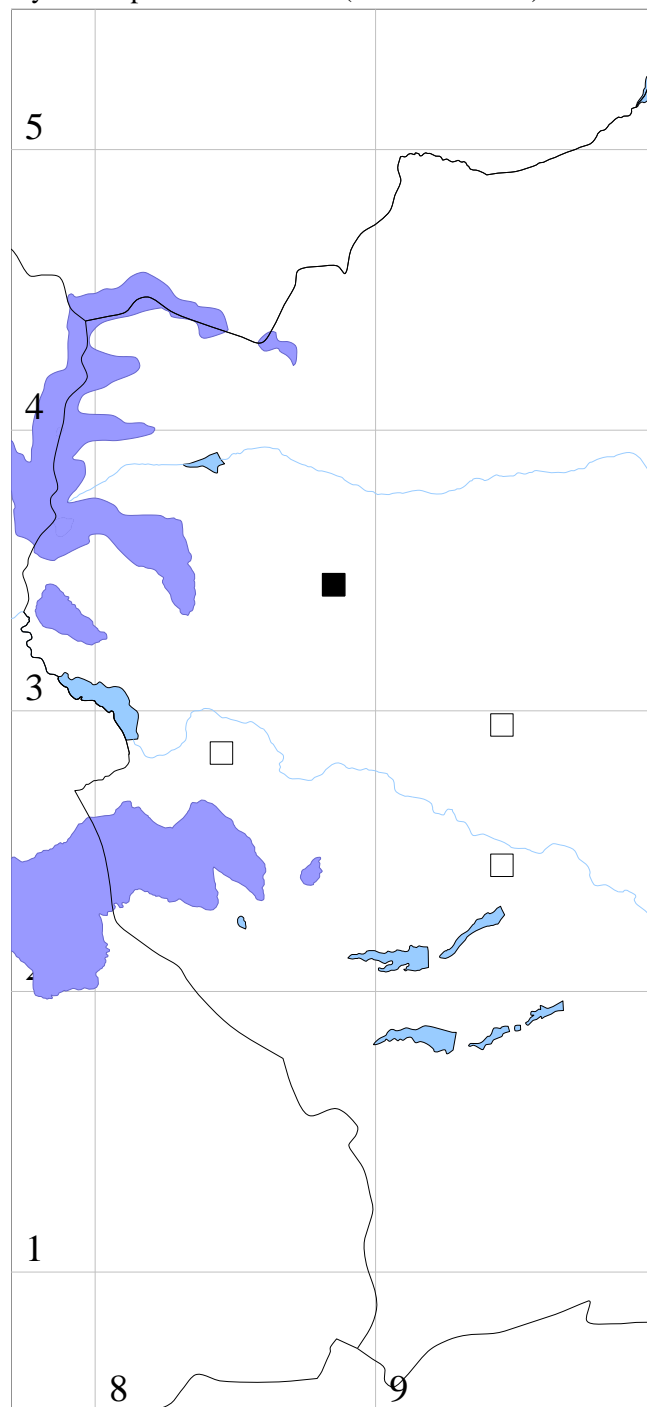
There is a 1969 record from Middleton Quarry, which needs investigating.

There is an old record from Hudeshope Beck-  
 “limestone cliffs on the banks of the stream that runs into the Tees at Middleton” 1868  
 Baker and Tate.

It was seen in the county in 1920 by G W Temperley and R B Cooke, but no locality was given.

28/06/05	NY885342	Swinhope Moor LWS	John Liam Durkin
1868	NY9429	Hudeshope Beck	Baker and Tate
1969	NY948245	Middleton Quarry SSSI	Unknown
1863	NY82P	Cronkley Fell	Brown, W H

*Gymnocarpium robertianum* (Limestone Fern)



***Helianthemum oelandicum levigatum***  
**Teesdale Rockrose**

National Status      Vulnerable  
County Status        Rare

Limestone outcrops on Cronkley Fell. At 535 metres, now mostly in “exclosures”. This is all of the distribution of this subspecies.

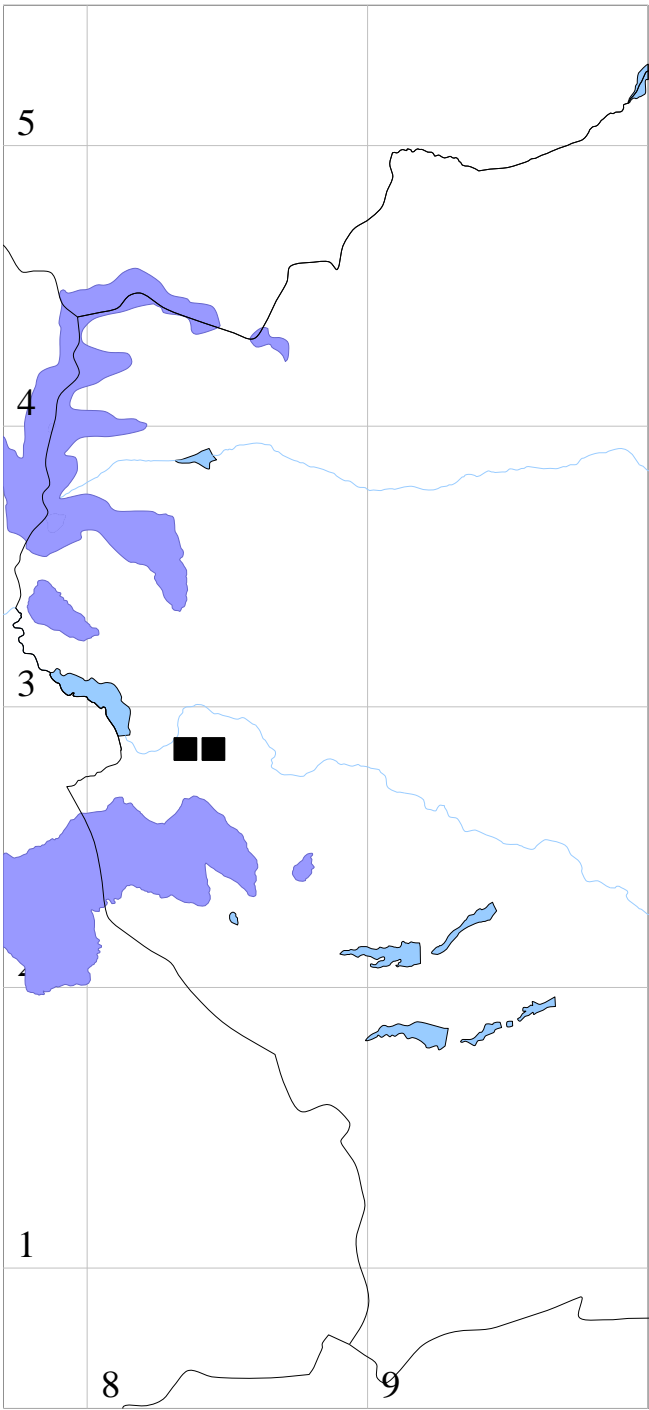
**Conservation-** The sites are in the Upper Teesdale National Nature Reserve.

22/06/05	NY842283	Cronkley Fell exclosure	Wild Flower Society
22/06/99	NY848283	Cronkley Fell exclosure	Jones, Vincent
1993	NY838282	White Well Green	Findlay, I.
1979	NY845284	Cronkley Fell	Blakemore J
1992	NY849284	Cronkley Knoll	Findlay, I.



Photographed in Teesdale by UKWildflowers.com

*Helianthemum oelandicum* subsp. *levigatum*





***Helleborus foetidus*    Stinking Hellebore**

National Status        Scarce  
County Status        Probably hortal

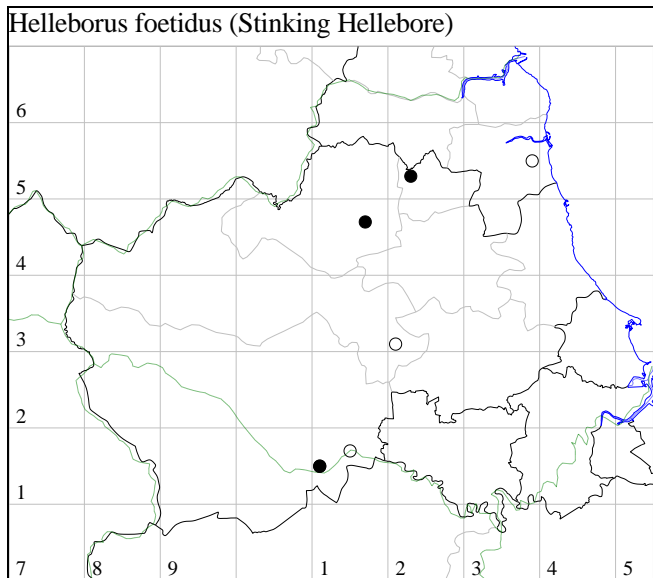
Scarce Plants in Britain says that this species is not native north-east of the Wirral-Thames line. It is, though, long established at several sites on the banks of the Tees at Whorlton.

15/06/05	NZ164473	Lanchester Way, on wall opposite old station	A & G Young
01/07/11	NZ2252	West Pelton (hortal)	J L Durkin
1986	NZ105147	Whorlton Banks CWS 6.12	Graham, Mrs P.S.
1997	NZ110145	Whorlton	Sykes, M.
10/04/93	NZ106146	Whorlton Banks CWS 6.12	Graham, Rev G.G.
10/03/92	NZ105146	Whorlton Banks CWS 6.12	Burnip, M.

***Hippocrepis comosa*        Horseshoe Vetch**

National Status        None  
County Status        Rare

May 1994	NZ5223	BASF plc site	P. Chester
06 Jul 1973	NZ3235	Quarrington Hill	Thompson, Mrs K.
08/06/08	NZ43Y	Crimdon Dene	John O'Reilly
17/08/11	NZ465396	Blackhall Rocks	Andy Mclay

***Hippophae rhamnoides*    Sea Buckthorn**

National Status        Scarce  
County Status        Frequent planted/hortal

Introduced, widely planted on the coast and by the estuaries.

“One thousand buckthorns were planted at Seaton Carew by Charles Carter, captain of the Golf Club” about 1929, Hornby 1974. This is still the largest site for this plant in the county. Efforts are being made to control its dominance at this site.

## ***Hieracium***

This account follows “The Atlas of British and Irish Hawkweeds” 2011. Most of the records are from herbarium specimens.

*Hieracium* taxa are difficult to determine, and have rarely been recorded in the county since the 1980s. All records, of any date, are included here.

The absence of recent records is more likely to be due to lack of recording than to the extinction of these taxa.

### ***Hieracium bakeranum***

#### **Baker’s Hawkweed**

National Status      Extinct  
County Status      Extinct

Sep 1859	NY8928	River Tees, south side upstream of Winch Bridge	Baker, Mr J.G.
----------	--------	---	----------------

### ***Hieracium crebridens***

#### **Chapel-le-Dale Hawkweed**

National Status      Vulnerable  
County Status      Rare

1922	NY903280	River Tees at Winch Bridge	Robinson, F.
23 Jul 1908	NY9027	Winch Bridge, south side	Foggitt, Thomas J
1922	NY9027	Winch Bridge	Anon, A.

### ***Hieracium integratum***

#### **Toothless Hawkweed**

National Status      Endangered  
County Status      Rare, probably introduced here.

2000+	NZ52	Teesside	Vince Jones
-------	------	----------	-------------

### ***Hieracium iricum***

#### **Erin Hawkweed**

National Status      None, a “Scottish” species  
County Status      Rare

22/06/2005	NY862294	Cronkley Bridge	Wild Flower Society
1867	NY8228	Falcon Clints, east	Baker and Tate
	NY8128	Falcon Clints, west	
	NY8531	Langdon Beck bridge, near	
	NY9027	Winch Bridge	
22 Jun 1996	NY92D	Winch Bridge, south side	Jones, Vincent
15 Jun 1998	NY92M	Middleton in Teesdale	Baker, Neil

### ***Hieracium peccense***

#### **Peak Hawkweed**

National Status      Vulnerable  
County Status      Rare

### ***Hieracium pynotrichum***

#### **Dense-leaved Hawkweed**

National Status      Extinct  
County Status      Extinct

05 Aug 1876	NZ2029	Bishop Auckland	Soutter, J.P.
-------------	--------	-----------------	---------------

## ***Hordelymus europaeus* Wood Barley**

National Status      Scarce  
County Status      Scarce

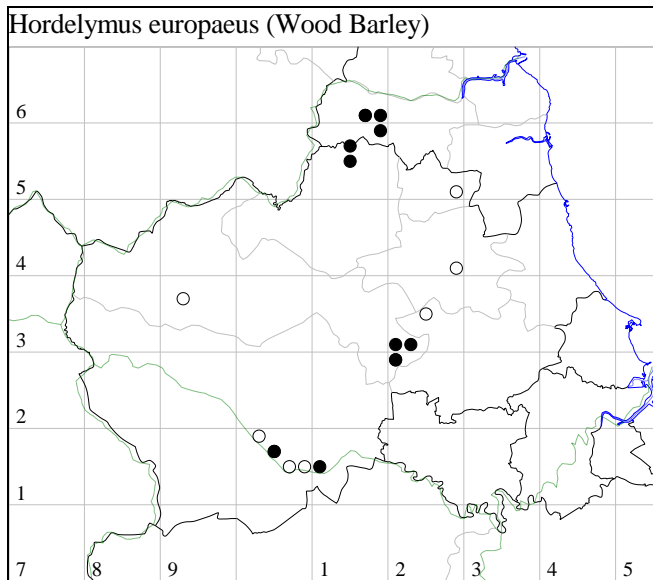
Scarce in riverbank woodlands, by the Tees around Barnard Castle, the Wear around Bishop Auckland, and the Derwent around Rowland's Gill.

Most sites for this grass consist of a single clump, of about one square metre. Bellburn Wood and Gibside West Wood have patches of about ten square metres.

Though this grass is usually described as liking basic soils, some of the Derwent Valley sites are fairly acidic, and in Lands Wood one of the patches is in bilberry. Lands Wood is one of the northernmost British locations for this grass.

### **Conservation**

While most of its sites are in LWSs, few are in SSSIs.



07/06/10	NZ2231	Bellburn Wood	A McLay
13/08/97	NZ2029	Bishop Auckland	Graham, P.S.
13/08/97	NZ217293	Bracket Wood	GGG
Jul-97	NZ218294	Brack's Wood LWS 3.47	Wharton, S.
01/05/00	NZ1457	Chopwell Crag	J L Durkin
05/06/76	NZ0318	Cotherstone	Burnip, M.
Aug-78	NZ066150	Egglesstone Abbey	Burnip, M.
20/08/72	NZ047169	Flatts Wood	Burnip, M.
31-Jul-94	NZ0417	Flatts Wood	DTNFC
18/08/91	NZ046168	Flatts Wood	Sykes, M.
26-Jan-08	NZ180581	Gibside, West Wood	John Liam Durkin
01-Apr-10	NZ18108 61208	Lands Wood (not WT)	John Liam Durkin
01-Apr-10	NZ18230 61213	Lands Wood (Wland Trust)	John Liam Durkin
01/05/05	NZ1760	Paddock Hill Wood	John Liam Durkin
Jun-92	NZ180604	Paddock Hill Wood	Westerberg S
01-Jul-05	NZ1456	Pont Burn Wood WT Compartment 2B	John Liam Durkin
24/03/09	NZ148558	Pontburn Wood, WT Compartment 3D	John Liam Durkin
25-Jul-73	NZ097145	Sledwich Hall	Sykes, M.
1997	NZ1760	Thornley Wood	Westerberg S
1970	NZ243358	Valley Burn Wood	Bradshaw, Dr M.E.
15/04/06	NZ2131	Vinovia	J & C O'Reilly
Aug-78	NY935370	Westernhope	Stevenson C R
21-Jul-98	NZ106146	Whorlton	Sykes, M.
Jul-99	NZ107146	Whorlton	Kay, G.M.
Jul-94	NZ109147	Whorlton	Peacock, H
07-Jul-92	NZ110144	Whorlton	Peacock, H
05/08/97	NZ110145	Whorlton	Sykes, M.

***Hordeum marinum*      Sea Barley**

National Status      Vulnerable  
County Status      Rare

Recorded on the coast in the south of the county.

1939	NZ4639	Blackhall Rocks	Temperley, G W and JW HH
1939	NZ5130	Seaton Carew	Temperley, G W and JW HH
17/09/06	NZ52J	Seaton Carew	DYNFC

***Hyoscamus niger*      Henbane**

National Status      None  
County Status      Scarce

1973	NZ378546	Barnes Park	Hall, D.
09 Jul 1968	NZ290143	Darlington	Durham Flora
25 Aug 1979	NZ496360	Hart Warren	Appleyard P.R.
22 Sep 1988	NZ516329	Hartlepool	Appleyard P.R.
1973	NZ378546	Silksworth	Hall, D.
1971	NZ391387	Wheatley Hill	GGG

***Hydrocharis morsus-ranae*      Frogbit**

National Status      Vulnerable  
County Status      Rare/extinct

Formerly abundant at Ryton Willows SSSI, particularly in the Curling Pond, but dying out around 2000. This was its northernmost British native site. Still present at some nearby sites, including garden ponds, to which plants had been transferred. The introduction at Thornley Woods died out. The other sites are hort.

**Conservation-** The former Ryton Willows site is an SSSI.

22-Jul-91	NZ152650	Ryton Willows	Rutherford S
1996	NZ155649	Ryton Willows	Durkin J
1979	NZ157649	Ryton	Sanderson R
24/09/90	NZ177605	Thornley Wood	Westerberg S
09-Jul-07	NZ337655	Jarrow	Andy Mclay
19/09/07	NZ383423	Pesspool Wood	John O'Reilly
05/03/93	NZ408153	Carter Moor	Scaife, R W

***Iberis amara*      Garden Candytuft**

National Status      Vulnerable  
County Status      Hort

As a casual on river banks, quarries, railways.

***Hypericum montanum***  
**Pale St John's Wort**

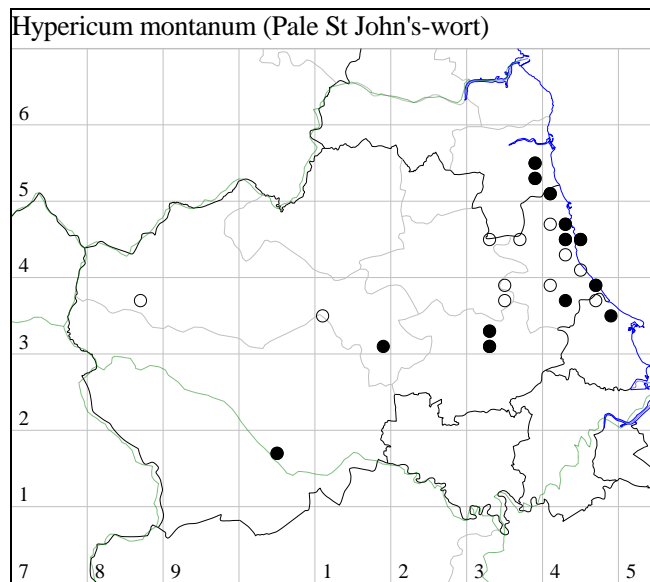
National Status      Near Threatened  
 County Status      Scarce

Scarce in rough grassland, scrub and open woodland, mainly on the magnesian limestone, but also in the dales.

There has been a considerable decline, as can be seen from the map. Perhaps, though, slightly under-recorded.

09-Jul-74	NZ465372	High Hesleden	McAndrew Mr R.T.
17/08/11	NZ475382	Cross Gill	A McLay
2009	NZ4935	Hart Warren Railway Embankment	Martin Allen

03/08/77	NY877373	High Hill Farm	Burnip, M
Jun-91	NZ049174	Flatts Wood LWS 6.36	Valerie Standen
22-Jul-70	NZ1134	Harperley Station	Moses P.
27/09/07	NZ190300	Escomb Pastures	Cunningham K
13-Jun-98	NZ332337	Fox and Hounds	DWT Hedges Survey
1968	NZ332447	Pittington	Shimwell Dr D.W.
09/07/11	NZ33293254	Bishop Middleham Quarry	John Durkin
	NZ33283260		
	NZ33083270		
	NZ33093259		
21/02/07	NZ337314	Island Farm	Andy Mclay
	NZ338316		
1968	NZ341383	Cassop Quarry	GGG
20/09/78	NZ345369	Kelloe	GGG
1973	NZ363444	Elemore Wood	Silverside Dr A.J.
1999	NZ390544	Tunstall Hills	Boyce, R.
13/07/10	NZ395538	Tunstall Hills	A McLay
28/08/93	NZ407517	Ryhope Dene	GGG
Jul-79	NZ414388	Castle Eden Dene	Blakemore Mr J.
1979	NZ430429	Littlethorpe Dene	GGG
20/06/96	NZ4347	Horden coast	GGG
13/06/98	NZ436379	Hesleden	Dines, T.
22/06/11	NZ42949 45444	Hawthorn Dene	J L Durkin
29-Jun-08	NZ4387 4639	Hawthorn quarry	A & G Young
1980	NZ440458	Hawthorn Hive	Unknown
14/08/80	NZ442452	Beacon Hill	Richardson M E
21/07/95	NZ4444	Easington Colliery Coast	G and A Young
19/06/90	NZ4445	Hive Point	Mitchell D
1979	NZ4639	Blackhall Rocks	GGG

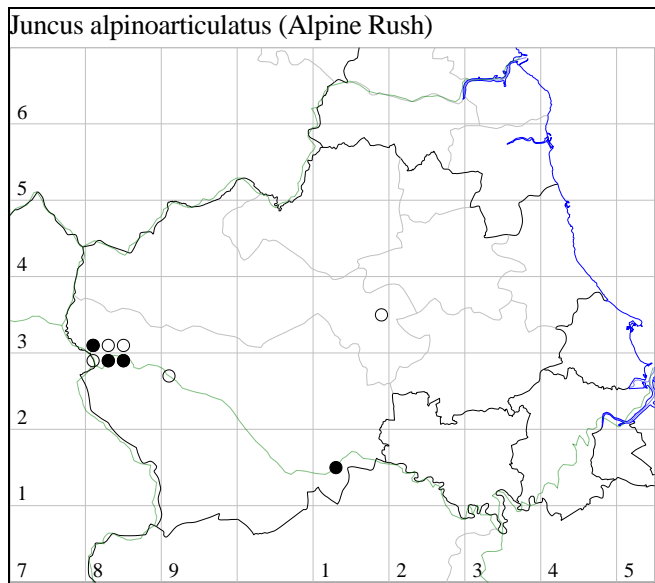


## *Juncus alpinoarticulatus* Alpine Rush

National Status      Scarce  
County Status      Rare

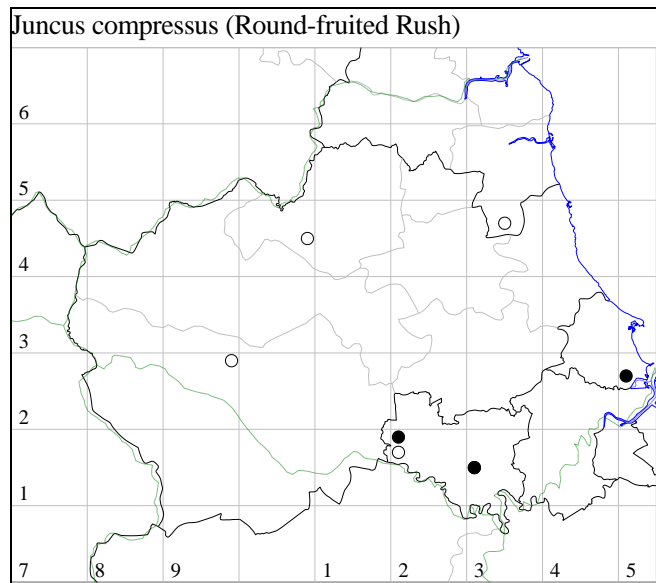
Basic flushes in Upper Teesdale, mainly at Widdybank, but also downstream to NZ11.

**Conservation-** Most of the sites are in the Upper Teesdale Nature Reserve.



## *Juncus compressus* Round-fruited Rush

National Status      None  
County Status      Scarce, declining.



2009	NY849296	Cetry Bank	Natural England
1973	NY8129	Cow Green Reservoir	Hudson, M.J.
1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
1974	NY8331	Peghorn Lodge	Groom, Mr R.E.
21-May-08	NY81483041	Slapestone Sike	A & G Young
06/08/97	NZ137155	Stony Bank	Sykes, M.
01-Jul-06	NY8229	Widdybank Fell	Wood, D& Woods, M
1976	NY838301	Widdybank Pasture	Graham, Rev G.G.
2008	NY837299	Widdybank Pasture	Jeremy Roberts
01-Jul-84	NY839299	Widdybank Pasture	Graham, Rev G G.
28-Jul-67	NY842300	Widdybank Pasture	Groom, Mr R.E.
15/09/81	NY842301	Widdybank Pasture	Graham, Rev G G.
23/07/71	NY904279	Winch Bridge	Mullin, M.

06-Jul-76	NZ213164	Cabin House Quarries	Burnip, M.
04/11/80	NZ304152	Darlington	Burnip, M.
10-Jul-95	NZ210180	Denton	Wharton T.S.
02-Sep-76	NZ345469	Hetton To Pittington Disused Railway	Hall, Mr D.
1970	NY983290	Middle End Farm	Burnip, M.
1995	NZ310152	Stockton and Darlington Railway Track, Western Marsh	David Green
1997	NZ517263	Tioxide	Physalia Ltd.
1997	NZ517263	Tioxide	Physalia Ltd.

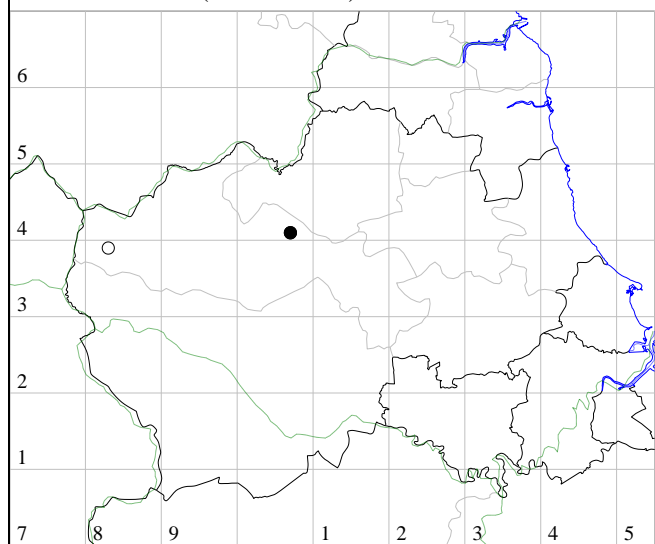


***Juncus filiformis*****Thread Rush**

National Status      Scarce

County Status      Scarce

Shores of upland reservoirs, gradually spreading.

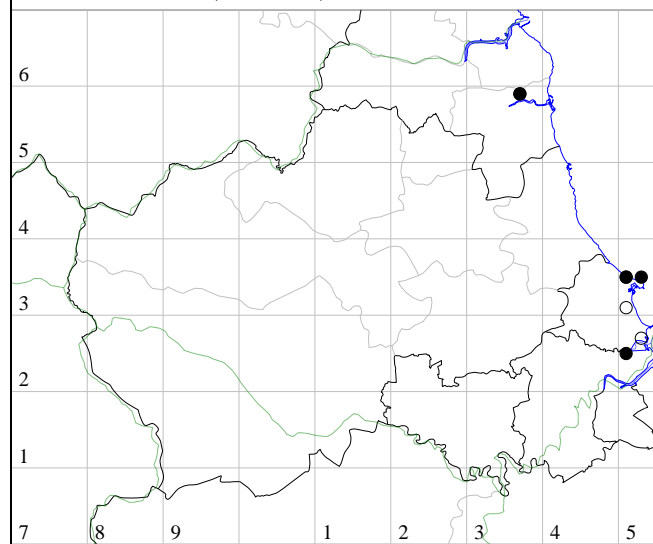
**Juncus filiformis (Thread Rush)**

1987	NY835388	Burnhope Reservoir	Owen, M
25/06/05	NZ0640	Tunstall Reservoir LWS 3.18	A & G Young
27/07/97	NZ068419	Tunstall Reservoir LWS 3.18	Coles, A.

***Juncus maritimus*****Sea Rush**

National Status      None

County Status      Scarce, declining.

**Juncus maritimus (Sea Rush)**

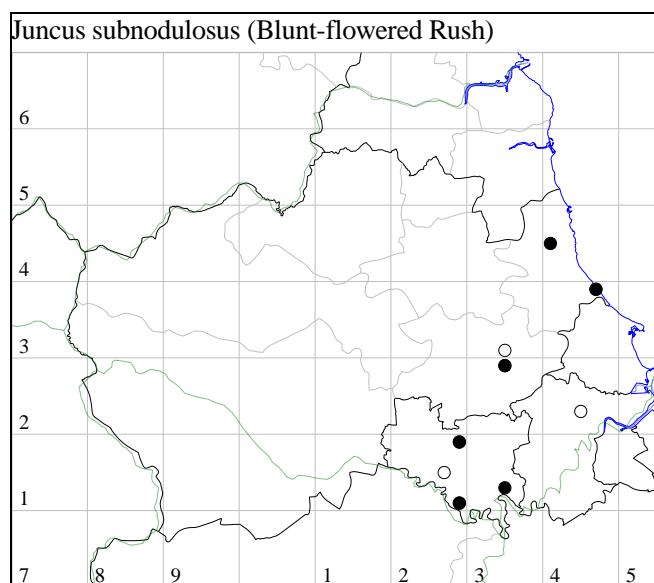
1993	NZ502246	Cowpen Marsh	Unknown
24/02/94	NZ520340	Hartlepool Docks	Lowe, C.J.
2009	NZ5134	Hartlepool Slake	Ian Bond
21/10/73	NZ517342	Hartlepool Slake	McAndrew R.T.
15-Jul-70	NZ535275	North Gare Breakwater	GGG
Aug-71	NZ536278	Seaton Golf Links	Burnip, M.
30/09/01	NZ368582	Timber Beach saltmarsh	J L Durkin



***Juncus subnodulosus***  
**Blunt-flowered Rush**

National Status      None  
County Status        Scarce, declining.

19/08/71	NZ4523	Billingham Bottoms	GGG
19/08/00	NZ43U	Blackhall Rocks	NNU
29-Jul-90	NZ4639	Blue House Gill	Mitchell, Mr D.N.
Aug-91	NZ345290	Hardwick Hall CWS 7.8	Valerie Standen
14/05/81	NZ346289	Hardwick Hall Serpentine Lake	GGG
1991	NZ415447	Hawthorn	Standen, Dr V.
01/08/09	NZ281108	Hell Kettles	Sarker, Falgunnee
21-Jul-09	NZ2810	Hell Kettles	Simpson, G & Dyke, J
1984	NZ281109	Hell Kettles SSSI	English Nature
21-Jul-98	NZ292198	Redcar Field Nature Reserve	DTNFC
2000	NZ349134	The Whinnies LNR	David Green



## ***Juncus triglumis* Three-flowered Rush**

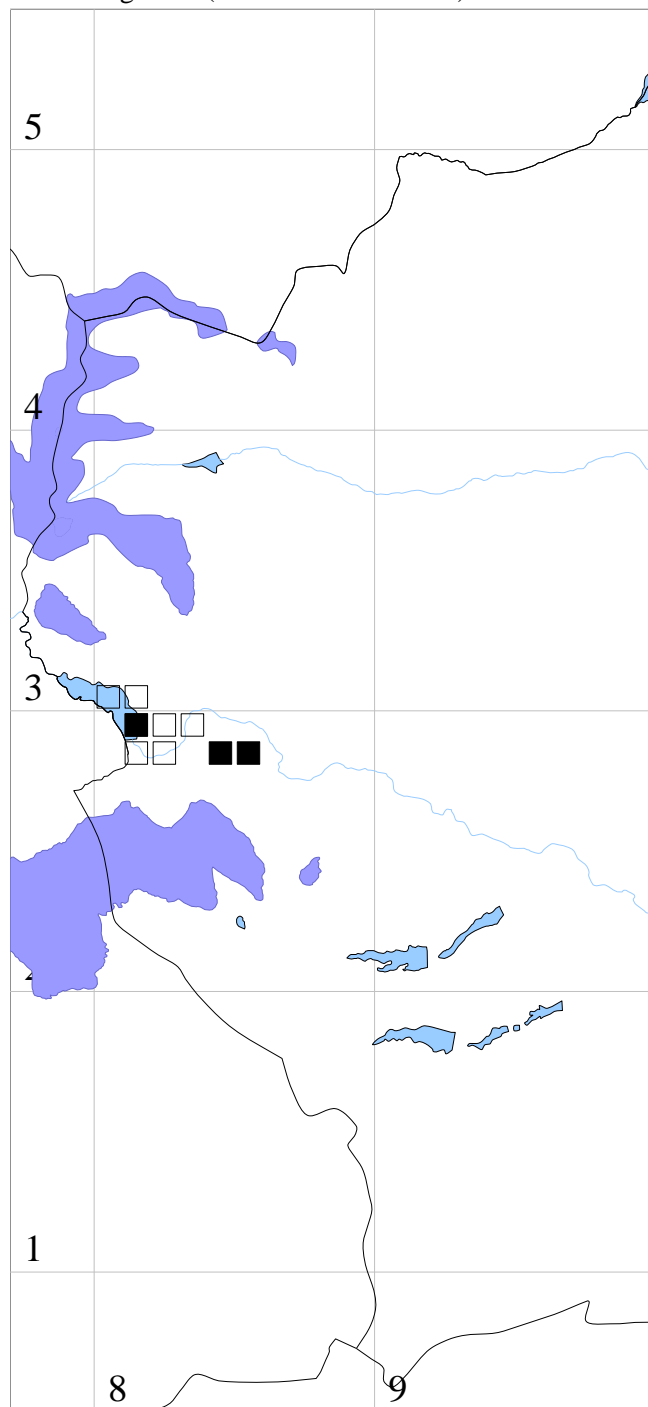
National Status      A "Scottish" species  
County Status        Scarce

This species is included in the Rare Plant Register because, while it is not scarce nationally, Durham has most of the English population.

Very rare and sparse in shallow stony sikes at Widdybank and Cronkley Fells.

22/06/05	NY8528	Cronkley Fell	Wild Flower Society
02/07/06	NY82J	Cronkley Fell	John & Clare O'Reilly
22/06/99	NY848283	Cronkley Fell Exclosure	Jones, Vincent
1972	NY820281	Falcon Clints	Gibbons, Dr R.B.
19/08/11	NY8165 2945	Red Sike	J L Durkin
19/08/11	NY815304	Slapestone Sike	J L Durkin
02/06/04	NY8164 2948	Cow Green	C Metherell
1977	NY8329	Widdybank Farm	Bradshaw Dr M.E.
1976	NY8229	Widdybank Fell	Burnip, Mrs M.
1976	NY810303	Widdybank Fell	M Bradshaw & Alison Jones
	NY810304		
	NY811303		
	NY811304		
	NY812304		
	NY813294		
	NY813295		
	NY813296		
	NY813304		
	NY814293		
	NY814294		
	NY814295		
	NY814296		
	NY814304		
	NY815292		
	NY815293		
	NY815296		
	NY819288		
	NY819291		

## *Juncus triglumis* (Three-flowered Rush)



## *Juniperus communis*

## Juniper

National Status      UKBAP  
County Status      Durham BAP

The following text follows the Durham BAP.

The majority of junipers in Durham are in the North Pennines Natural Area, on unimproved pasture or moorland in isolated stands. The total area of these habitats is approximately 115ha, split between 26 sites. Around 100ha of this is in the Upper Teesdale NNR (counted as one site).

A notable exception to this distribution are surviving lowland native sites on the Durham Coast at Chourdon Bay and Blackhall Rocks.

Surveys in 1973 and 1994 highlighted the local decline in juniper. Twelve sites and 36% of bushes were lost in this period. Juniper stands are dominated by old bushes (over 100 years) and natural regeneration is rare.

### Current or recent activity

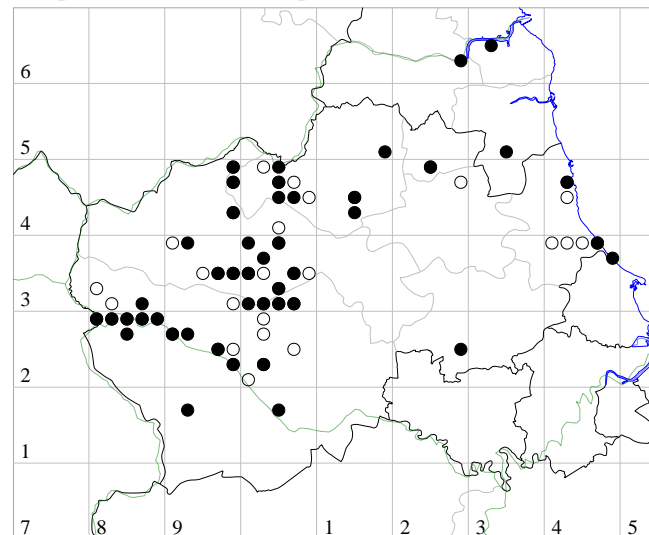
Comprehensive surveys of juniper colonies in North-east England were undertaken by English Nature in 1973 and 1994.

Outside Upper Teesdale NNR, planting schemes to extend existing stands, re-instate extinct sites and to create new ones have been undertaken by English Nature, Durham County Council, Northumbrian Water, Durham Wildlife Trust, Game Conservancy and others.

Seed from an old stand at Hishopeburn was collected from 2004 onwards and has been propagated by Trees Please Nursery near Corbridge.

Add burnhill junction

### *Juniperus communis* (Juniper)



### Native or re-introduced lowland sites

		Brasside Ponds, damp heath N of.	Graham, Rev G G.
18/05/81	NZ292461		
26/07/05	NZ344504	Houghton Cut	J L Durkin
29/08/10	NZ245493	Daisy Hill	J L Durkin
02/03/10	NZ2548	Waldrige Fell	J L Durkin
28/05/03	NZ472386	Blackhall Rocks	A & G Young
04/06/11	NZ43872 46941	Chourdon Bay	J L Durkin
24/06/95	NZ4836	Crimdon Denemouth	Mitchell D
31/07/09	NZ475385	Cross Gill	Chris Pope



Bonsai juniper at High Force

**Upland Sites, including *introductions in italics*.**

1975	NZ075245	Arngill	Burnip, M
1978	NZ0431	Ayhope Shield	Groom, RE
02/09/81	NZ060314	Ayhope Shield	Graham, Rev G G.
Mar-91	NZ051317	Ayhope Shield LWS 3.9	Valerie Standen
29/05/03	NY891284	B6277, W of Ettersgill junction, N verge	K Bowie, K Cunningham, F Daly.
2001	NY973347	Bollihope	J L Durkin
2001	NY974347	Bollihope	J L Durkin
22/10/04	NY975348	Bollihope	National Juniper Survey
Jan-91	NY977357	Bollihope Bog LWS 3.24	Valerie Standen
1974	NY978348	Bollihope Common	Burnip, M
	NY981349		
29-Nov-07	NY982350	Bollihope Common	J L Durkin
01/09/11	NZ070444	<i>Longburn Ford Field (LWS1.51)</i>	J L Durkin
Jun-95	NY980475	Burnhope Burn LWS 3.39	Stobbs, J.
Jun-95	NZ069317	Cliff Sike LWS 6.42	Stobbs, J.
06/04/11	NZ042487	Coal Gate	J L Durkin
1989	NZ145448	Cornsay	Dunn, T.C.
29/09/11	NY835290	Cronkley, south bank of Tees	J L Durkin
	NY835291		
	NY835292		
	NY835293		
	NY834289		
	NY834288		
	NY834287		
	NY8428		
01/09/07	NY8429	Cronkley Scar	J L Durkin
1972	NY989252	Eggleston Burn	Burnip, M
1973	NY989309	Egglestone Beck	Groom, RE.
1980	NY982237	Eggleston	GGG
1977	NZ037293	Euden Beck	Burnip, M
	NZ038293	Hamsterley Forest	
19/08/11	NY819282	Falcon Clints	J L Durkin
	NY818283		
	NY817284		
	NY820281		
	NY821281		
	NY822281		

	NY823281		
	NY824281		
	NY825281		
19/08/11	NY828282	"Juniper Island" in Tees	J L Durkin
	NY829282		
21/06/11	NY999483	Feldon Burn	A McLay
21/05/07	NY987475	Feldon Burn	J L Durkin
	NY997470		
	NY997471		
05/11/02	NY8731	Fendrith Hill	Schober M
1978	NZ049419	Foresters Lodge	Burnip, M
1974	NY8629	Forest-in-Teesdale	Graham G.G.
08/08/06	NZ186501	<i>Greencroft &amp; Langley Moor SSSI</i>	<i>J L Durkin</i>
01/08/07	NZ020309	Hamsterley Forest	J L Durkin
	NZ021309		
	NZ023308		
14/05/02	NZ037275	Hamsterley Forest	G Simpson
10/07/07	NZ1542	Hedleyhope Dene, DWT	J L Durkin
1977	NZ036277	High Acton	Lear, B.
Aug-08	NY8628	High Crag, Cronkley	J L Durkin
Aug-07	NY880283	High Force, south side of river	J L Durkin
	NY88102840		
	NY88002836		
09/07/04	NY873285	Teesdale	National Juniper Survey
06/05/11	NZ0447	Hisehope Burn SSSI	A McLay
Nov-91	NY985220	Hole Beck Quarry LWS 6.21	Valerie Standen
01/09/07	NY90202693	Holwick Scars	J L Durkin
	NY90582671		
	NY90272692		
1976	NZ048475	Honey Hill	Burnip, M
16/07/05	NY931178	Hunder Beck Juniper SSSI	Brown, Kit
1979	NZ037487	Juniper Hill	Burnip, M
22/10/04	NZ038363	Harehope Quarry	Juniper Survey
Jul-06	NY8828	Keedholm Scar	J L Durkin
1980	NZ098346	Knitsley Fell	Graham

		Quarry	G.G.
08/08/06	NZ1850	Langley Moor	J L Durkin
1974	NZ003217	Low Shipley	GGG
22/10/04	NZ003343	Howden Burn	Juniper Survey
1973	NZ0730	Middle Redford	GGG
Jun-95	NZ058464	Middles West LWS 1.41	Stobbs, Ms J.
03/07/11	NZ0432	North Grains Beck	A McLay
06/02/08	NZ0416	Orchard Brae, Barnard Castle, Woodland Trust	J L Durkin
1975	NZ021234	Pallet Crag	Sykes, M.
1994	NZ026232	Pallet Crag LWS 6.23	Valerie Standen
1978	NY988482	Pedam's Oak Wood	Burnip, M
10/02/93	NZ158445	Ragpath, east of.	Lawson, G
Aug-07	NY8850 2857	R Tees banks, High Force	J L Durkin
Jul-06	NY871281	River Tees banks, High Force Quarry	J L Durkin
03/02/06	NY974247	R Tees bank near Sun Bank	A & G Young
13/10/10	NY9070 2765	Winch Bridge Crag (W limit)	John Durkin
13/10/10	NY9081 2748	Winch Bridge Crag (E limit)	John Durkin
Jun-95	NZ070353	Rushy Lea LWS 3.41	Stobbs, J.
14/05/10	NZ010396	Saugh Sykes	A McLay
01/08/07	NZ016308	Sharnberry Gill	J L Durkin
	NZ017308		
	NZ018308		
	NZ019308		
1975	NZ0734	St Johns Hall	Burnip, M
1974	NZ062465	The Middles	Burnip, M
1968	NY963251	West Stotley	Burnip, M
10/08/07	NY920388	Heights Quarry	J L Durkin
1976	NZ0438	Thornhope Beck	Burnip, M
Sep-90	NZ045390	Thornhope Beck Wood LWS 3.14	Valerie Standen
25/06/05	NZ0545	Waskerley	B Astley
Aug 2011	NZ063446	Waskerley Way, Burnhills Junction	J L Durkin
	NZ063447		
	NZ064445		
	NZ064444		
31/07/02	NY983431	West Whiteley Burn	A & G Young

1981	NY985432	West Whiteley Burn	Burnip, M
1978	NY958342	Wester Todd Sike	Burnip, M
1976	NY8330	Widdybank Pasture	Graham , Rev G.G.
1972	NY904279	Winch Bridge	GGG

## ***Kobresia simpliciuscula* False Sedge**

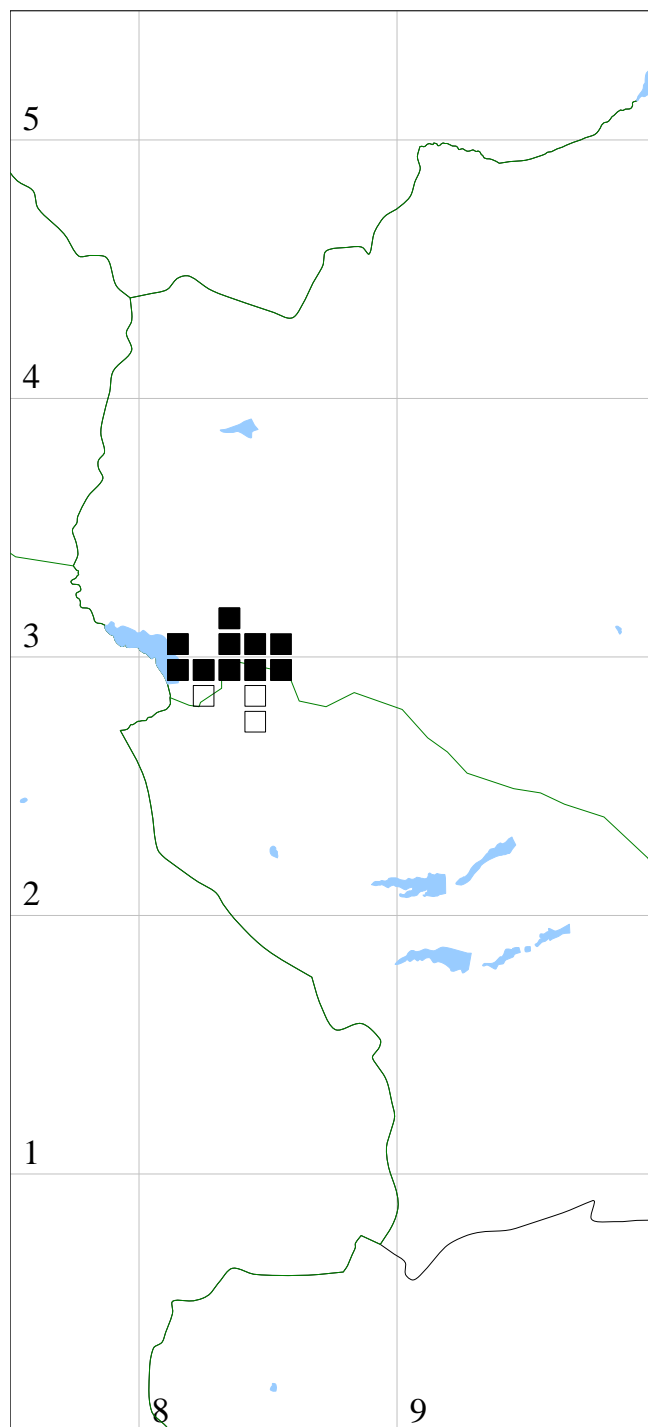
National Status      Nationally Rare  
County Status      Scarce

Locally abundant in sugar limestone turf and montane, base-rich sedge marsh. There were occasional “wash-down” colonies further down the Tees. These have declined in recent years.

**Conservation-** Most of the sites are in the Upper Teesdale Nature Reserve.

1968	NY855298	Widdybank Fell	Elkington, Dr T.T.
01/07/06	NY814290	Widdybank Fell	Wood, D& Woods, M
	NY8130		
	NY8229		
03/07/09	NY8331	Widdybank Fell	Schober, M
19/08/11	NY816295	Red Sike	
1985	NY817293	Red Sike	Wilson, P.J.
			Gibbons Dr R.B.
1974	NY820281	Falcon Clints	
		Widdybank Pasture	Jeremy Roberts
2008	NY837299		
1993	NY839299	Widdybank	GGG
		Widdybank Pasture	Jeremy Roberts
2008	NY835303		
1986	NY844298	Widdybank	Wilson, P.J.
		Widdybank Pasture	Jeremy Roberts
2008	NY847304		
15/09/81	NY842301	Widdybank	Graham, Rev G G.
	NY846302	Pasture	
28/07/67	NY843297	Cetry Bank	Groom R E
2009	NY847297	Cetry Bank	Natural England
	NY848296		
07/08/09	NY848301	Allotment SW of Sayer Hill	John O'Reilly
2009	NY850296	Whey Sike	Natural England
	NY850297		
	NY851297		
	NY852298		
30/06/06	NY8530	Langdon Beck	Wood, D& Woods, M
1986	NY8428	Cronkley Fell	Bray, E.

*Kobresia simpliciuscula* (False Sedge)



***Lamium confertum***  
**Northern Dead Nettle**

National Status      None  
 County Status        Rare

There are no recent records.

NZ340599	1979	Sunderland Airfield	Burnip, M.
NZ3258	08 Jun 1978	Sunderland Airport	Burnip, M.
NZ301581	1977	Concord Village	Gibbons, E.M.

***Linnaea borealis***                      **Twinflower**

National Status      Scarce  
 County Status        Possibly Extinct

The Weardale record for this plant may be native or introduced. It has not been recorded for some years now. Unsuccessful search in 2011.

08/07/79	NY883440	Frazer's Quarry	M Burnip
----------	----------	-----------------	----------

***Limonium humile***  
**Lax-flowered Sea-lavender**

National Status      Scarce  
 County Status        Extinct

Possibly doubtful records, at Greatham Creek by JWHH.

There are no recent records.

***Limosella aquatica***                      **Mudwort**

National Status      Scarce  
 County Status        Probably Extinct

“Marshy ground surrounding a spring close to the village of Morden, with *Bidens tripartita*”  
 1868 Rev. A. M. Norman in Baker and Tate.

There are no recent records.

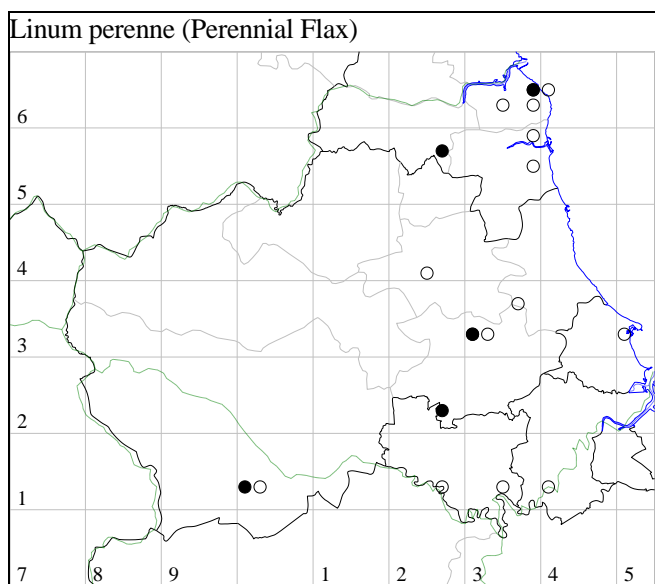


## *Linum perenne anglicum* Perennial Flax

National Status      Scarce  
County Status        Rare

County Durham has a significant proportion of the national distribution of this species.

Mainly on the magnesian limestone, with one site on the Permian limestone. There are two main sites, at Thrislington NNR and at Harton Downhill SSSI, both of which were well known to local people for many years before they came to the attention of serious botanists. The Durham populations are on the northern limit for this attractive flower.



1997	NZ3964	Beacon Hill Quarry	Durham Wildlife Services
1974	NZ323320	Bishop Middleham underpass of A1(M), east side verge	Way, J M
27/06/78	NZ355625	Boldon Colliery	Holmes, T.
1970	NZ2541	Broom Park	Todd, Dr A.
21/08/80	NZ389656	Harton Downhill SSSI	GGG
10/06/01	NZ390655	Harton Downhill SSSI	A & G Young
23/06/10	NZ3965	Harton Downhill SSSI	Julia Quinonez
12/07/05	NZ390656	Harton Downhill SSSI	John Liam Durkin
17-Jun-03	NZ018137	Huwlands Quarry, Bowes	John Liam Durkin
1986	NZ0213 NZ0313	Kilmond Scar SSSI	English Nature
12/07/10	NZ39176570 to NZ39036579	The Leas	Clare O'Reilly
Sep-99	NZ391659	Man Haven	Owen, M.J.
1975	NZ405641	Marsden Quarry, Tilcon	Davis, Dr B.N.K.
11/08/09	NZ318324	Rough Furze Quarry LWS 7.27	John Liam Durkin
14/06/06	NZ310326	Thrislington NNR	G Young
1968	NZ317328 NZ317329 NZ318326	Thrislington NNR	GGG
13/06/98	NZ315326	Thrislington NNR	DWT Hedges Survey
25-Jul-79	NZ318330	Thrislington NNR	Blakemore, J
1999	NZ319326	Thrislington NNR	Boyce, Mr R.
28/06/80	NZ319329	Thrislington NNR	GGG
10/06/07	NZ31893284	Thrislington comprtment 5	A & G Young
27/06/79	NZ391546	Tunstall Hills	Blakemore, J
1980	NZ3737	Wingate	NCC

## ***Lithospermum arvense* Field Gromwell**

National Status      Endangered  
County Status        Rare

A single record from Hart Warren

13 Jun 1998	NZ491364	Hart Warren	Dines, Dr T.
-------------	----------	-------------	--------------

## ***Luronium natans* Floating Water-Plantain**

National Status      Scarce  
County Status        Extinct

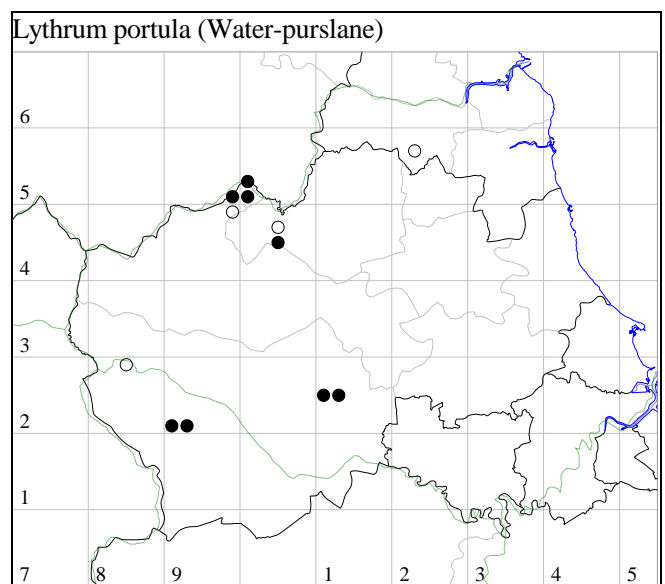
There is a record from “a swamp near Birtley”, in 1930, by Professor J W H Harrison. “known between the wars, but the area now built over”.  
Possibly a doubtful record.

## ***Lythrum portula* Water-purslane**

National Status      None  
County Status        Scarce

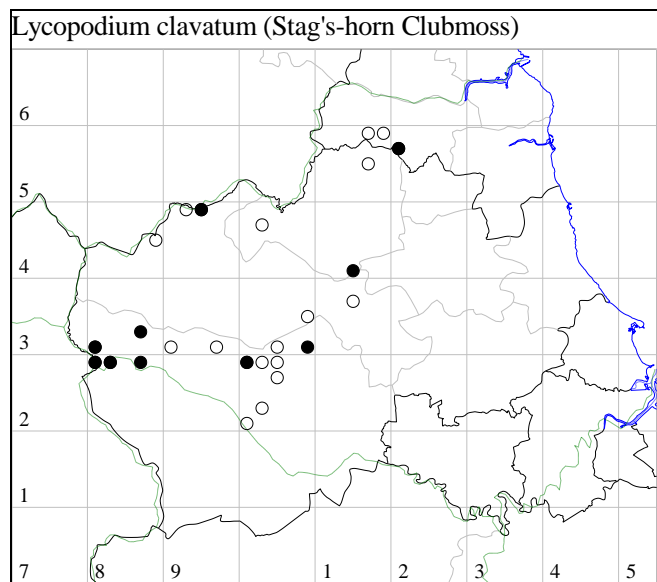
Frequent at the Derwent Reservoir.  
Spreading.

20-Jun-08	NY985515	Carrick's Haugh	Andy McLay
30-Aug-99	NZ126248	Cockfield Fell	GGG
30-Aug-99	NZ117254	Cockfield Fell	GGG
05/09/10	NZ117252	Cockfield Fell	A McLay
Aug 2011	NZ01255 51842 to NZ00870 52356	Derwent Reservoir shore, continuous	J L Durkin
19/07/09	NZ009521	Pow Hill	A McLay
10-Sep-06	NY92F	Grassholme car park	J & C O'Reilly
19-Aug-78	NY995484	Pedamsoak Wood	Burnip, M.
11/07/10	NY9120	Seset Reservoir	A McLay
12-Sep-07	NZ044459	Smiddy Shaw Reservoir shore	A & G Young



# **Lycopodium clavatum** **Stags-horn Clubmoss**

National Status      Habs. Dir Annex 5  
County Status      Scarce



		CWS 6.25	Standen
2002	NY83R	Harthope Head	Hedley, S.
Jun 2011	NY86300 35287	Harthope Head Quarry	Mel Lloyd
14/08/11	NZ14873 41318	Hedleyhope Fell CWS 1.22	John Liam Durkin
1976	NY94P	Hunstanworth	Tom Dunn
11/07/80	NZ098344	Knitsley Fell Quarry	GGG
11/07/75	NZ0223	Langleydale Common	M Burnip
04/06/03	NY955497	Low Garden House, old quarry road	A & G Young
12/07/08	NZ206574 NZ207574	Marley Hill, former colliery.	John Liam Durkin
06/08/75	NY9730	Monks Moor	M Burnip
1976	NZ0346	Muggleswick Common CWS 1.6	Tom Dunn
23/07/76	NY905313	Newbiggin Common	M Burnip
1986	NZ181598	Owlet Hill	J L Durkin
Jul 2006	NY871281	River Tees banks, High Force Quarry	John Liam Durkin
04/06/81	NZ144361	Roddy Moor SW of	GGG
1984	NZ0021	Shipleigh & Great Woods SSSI	English Nature (from NNU)
2011	NY8130	Slaestone Sike	M Bradshaw



Jul 2006	NY871291	Duften Moss Quarry	J L Durkin
23/10/72	NZ0329	Euden Beck	GGG
22/07/72	NY8328	Falcon Clints	B Pt Soc
Jul 2005	NY8228	Falcon Clints	J L Durkin
Jul 2005	NY8128	Falcon Clints	J L Durkin
08/07/79	NY8844	Frazer's Quarry	M Burnip .
1986	NZ179595	Gibside	J L Durkin
2010	NZ175588	Gibside	J L Durkin
09/06/09	NZ0931	Hamsterley Forest	Sarker, F
23/10/72	NZ0527	Hamsterley Forest	GGG
13/04/75	NZ0528	Hamsterley Forest	M Burnip
1970	NZ0430	Hamsterley Forest	M Burnip
Feb 1992	NZ019298	Hamsterley Forest	Valerie



***Maianthemum bifolium* May Lily**

National Status      Vulnerable  
County Status        Rare

In upland ancient semi-natural woodland planted with conifers.

County Durham has a significant proportion, more than 25%, of the national distribution of this species.

Gordon Graham describes May Lily as being introduced to Durham, saying “possibly introduced with conifers”, but the Red Data Book describes this site as native.

There is one long-established site, and a number of other reported sites close by, most of which may be incorrect grid references or may have been short-lived colonies or introductions from the main site.

First found by Rev. J C Dunn, then by D Oliver. The May Lily site was initially kept secret.

In 1986 John Durkin found a small colony on the south side of the Beldon Burn, two kilometres upstream of the main site. This colony, probably planted, subsequently died out.

**Conservation** The single site is a Durham County Local Wildlife Site, but this is inadequate status for such an important species.

11/06/03	NY950493	Hunstanworth	A & G Young
----------	----------	--------------	-------------

***Marrubium vulgare* White Horehound**

National Status      Scarce  
County Status        Extinct

No recent records.

***Meconopsis cambrica* Welsh Poppy**

National Status      Scarce  
County Status        Frequent horticultural

A frequent garden escape, especially around villages in the Dales and along the Wear between Stanhope and the A68.

***Melampyrum sylvaticum* Small Cow Wheat**

National Status      Endangered  
County Status        Extinct

Formerly rare in riverside woodland in Teesdale.

Long extinct on the Durham side at Winch Bridge, and apparently now gone from the Yorkshire side. It's hard to tell if it was formerly more widespread in Teesdale or if some of the records were mistakes for *Melampyrum pratense*, though at least some of these are backed up by herbarium specimens.

There is a Heslop Harrison record for Hisehope Burn, in the Derwent valley.

The most recent record was at Winch Bridge, VC65, 1976 seen by Gordon Graham and determined by D J Tennant.

1976	NY9027	Winch Bridge, south side	Tennant, D J and GGG
1945	NZ0447	Hisehope Burn SSSI	JWHH

## ***Minuartia stricta* Teesdale Sandwort**

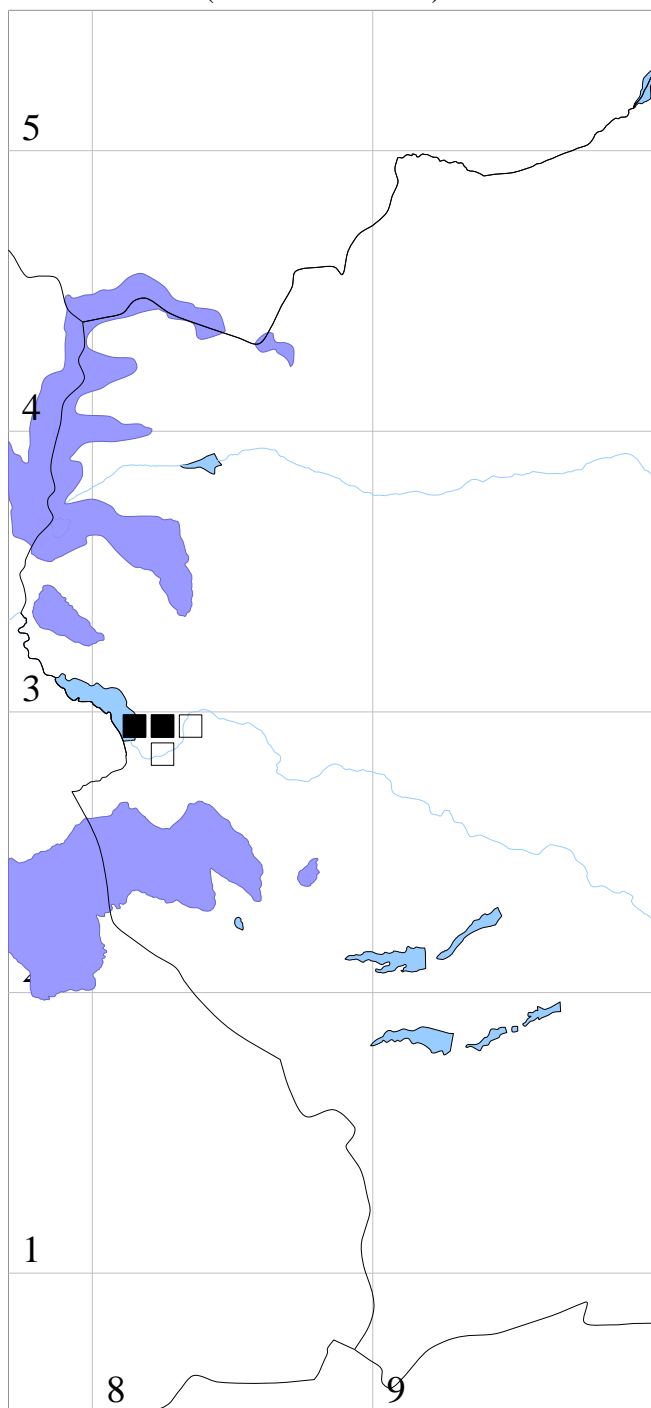
National Status      Vulnerable  
County Status      Rare

County Durham has a significant proportion of the national distribution of this species.

In open gravelly flushes and eroding margins in two small areas on the sugar limestone at Widdybank Fell.

**Conservation-** Both of the sites are in the Upper Teesdale Nature Reserve.

*Minuartia stricta* (Teesdale Sandwort)



1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
1985	NY821291	Fold Sike	Wilson P J
1994	NY817293	Red Sike	Findlay, I.
03/06/65	NY818293	Red Sike	GGG
1985	NY819292	Red Sike	Wilson P J
1977	NY8329	Widdybank Farm	Bradshaw, Dr M.E.
1985	NY817294	Widdybank Fell	Wilson P J
01/07/06	NY826291	Widdybank Fell	Wood, D& Woods, M

## ***Minuartia verna* Spring Sandwort**

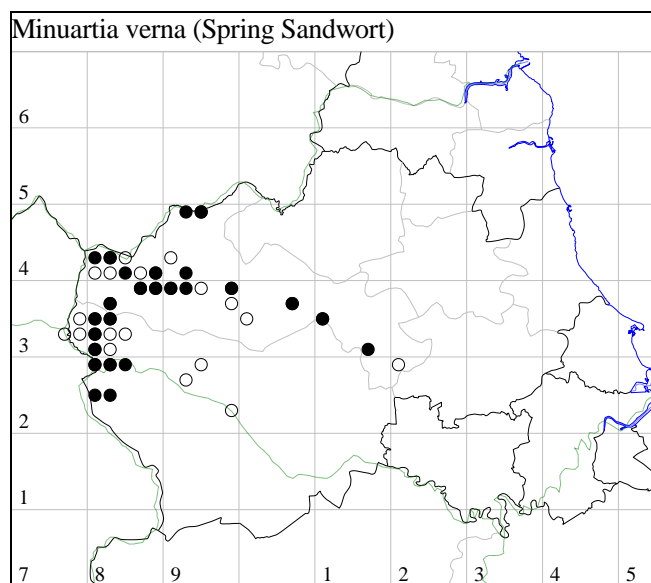
National Status      Near Threatened  
County Status      Scarce

On lead mining spoil heaps and associated river banks and road verges in upper Weardale and Teesdale. Less frequent in the upper Derwent Valley.

County Durham has a significant proportion of the national distribution of this species.

**Conservation-** Some of the sites are in the Upper Teesdale National Nature Reserve.

*Minuartia verna* (Spring Sandwort)



## Minuartia verna

10/08/07	NY932400	Hanging Wells	J L Durkin
10/08/07	NY935404	Hanging Wells	J L Durkin
10/08/07	NY933394	Hanging Wells	J L Durkin
Oct-90	NY9249	Beldon Burn LWS 3.29	Valerie Standen
29-May-77	NZ0034	Bollihope Burn : Spoil Heaps	Burnip, Mrs M.
12/09/77	NY850421	Burtree Fell	Burnip, M.
03/06/99	NY8540	Burtreeford	J L Durkin
04-Jul-97	NY8235	Coldberry End	McCutcheon D.E.
21-May-08	NY8153 3037	Cow Green Nature Trail	A & G Young
21-May-08	NY817296	Cow Green Exclosure	A & G Young
02-Jul-06	NY8328	Cronkley Fell	J & C O'Reilly
18/06/06	NY8428	Cronkley Fell	CNFC
22-Jun-05	NY842283	Cronkley Fell exclosure	Wild Flower Society
04/08/75	NY772337	Crookburn Foot	GGG
12/06/76	NY955385	Eastgate	GGG
21/06/80	NY983236	Eggleston	GGG
1972	NY820281	Falcon Clints	Gibbons RB
01/08/00	NY8236	Great Stony Hill	Schober M
2002	NY983391	Greenfoot Quarry LWS 3.54	Stobbs, J. et al.
04-Aug-75	NY781355	Harwood Common	Graham, Rev G.G.
06-Aug-74	NY781358	Harwood Common	Graham, Rev G.G.
1977	NY8135	Highfield Hushes	Burnip, Mrs M.
24/06/78	NY781329	Holdenhurth Band	Burnip, Mrs M.
27-May-73	NY947290	Hudeshope Beck	Wiggington M J
1982	NY957483	Hunstanworth	McCutcheon D.E.
24/08/72	NY8336	Ireshope Moor	GGG
21/08/10	NY823434	Killhope	A McLay
24/05/09	NY8143	Killhope	J L Durkin
1991	NY826430	Killhope Wheel LWS 3.6	Buchanan, P T
18-Aug-09	NY806341	Lady's Rake Mine	John O'Reilly
20/09/75	NY847335	Langdon Beck	Burnip, M.
1973	NY8232	Low End	Silverside AJ
01-Jul-04	NZ1134	Low Harperley riverside	John Liam Durkin
1990	NY8024	Mickle Fell top	English Nature
	NY8124		
	NY8224		

06-Jul-79	NY891406	Middlehope Bank & Bottoms	Burnip, Mrs M.
27-Jul-09	NY9039	Middlehope Burn	Andy Mclay
10-Jul-79	NY837417	Moss Moor	Burnip, M.
09-Jul-05	NY8749 3899	Newhouse	Jane Young
2002	NY8840	Newhouse to Middlehope Road Verge LWS 3.56	Stobbs, J. et al.
2009	NY809333	Rough Hill	Natural England
24/05/09	NY8342	Killhope	J L Durkin
11/05/09	NY880389	East Blackdene	CNFC
1974	NY8331	Peghorn Lodge	Groom R.E.
10/08/96	NY957482	Ramshaw	McCutcheon D.E.
21-May-08	NY8166 2943	Red Sike	A & G Young
24/08/79	NY860416	Sedling Rake	Burnip, M.
12/09/77	NY9837	Shield Ash	Burnip, M.
01/06/96	NY9038	Slit Wood	GGG
23/04/08	NY905391	Slit Wood	A & G Young
1971	NY861386	St John's Chapel	Burnip, M.
19/06/74	NY8132	Stoney Comb	Burnip, M.
18/05/05	NY956483	Ramshaw, old quarry	A & G Young
14-Sep-78	NY8041	Wellhope Moor	Wiggington M J
24-Aug-06	NZ168310	Witton-le-Wear SSSI meadow alongside rly embankment	John Liam Durkin
29-Jun-78	NY902429	Wolfeleugh Common	Burnip, Mrs M.
Nov-90	NZ0637	Wolsingham River Gravels LWS 3.10	Valerie Standen

## ***Muscari neglectum* Grape Hyacinth**

National Status      Vulnerable  
County Status        Hortal

Occasionally well established, usually near houses.

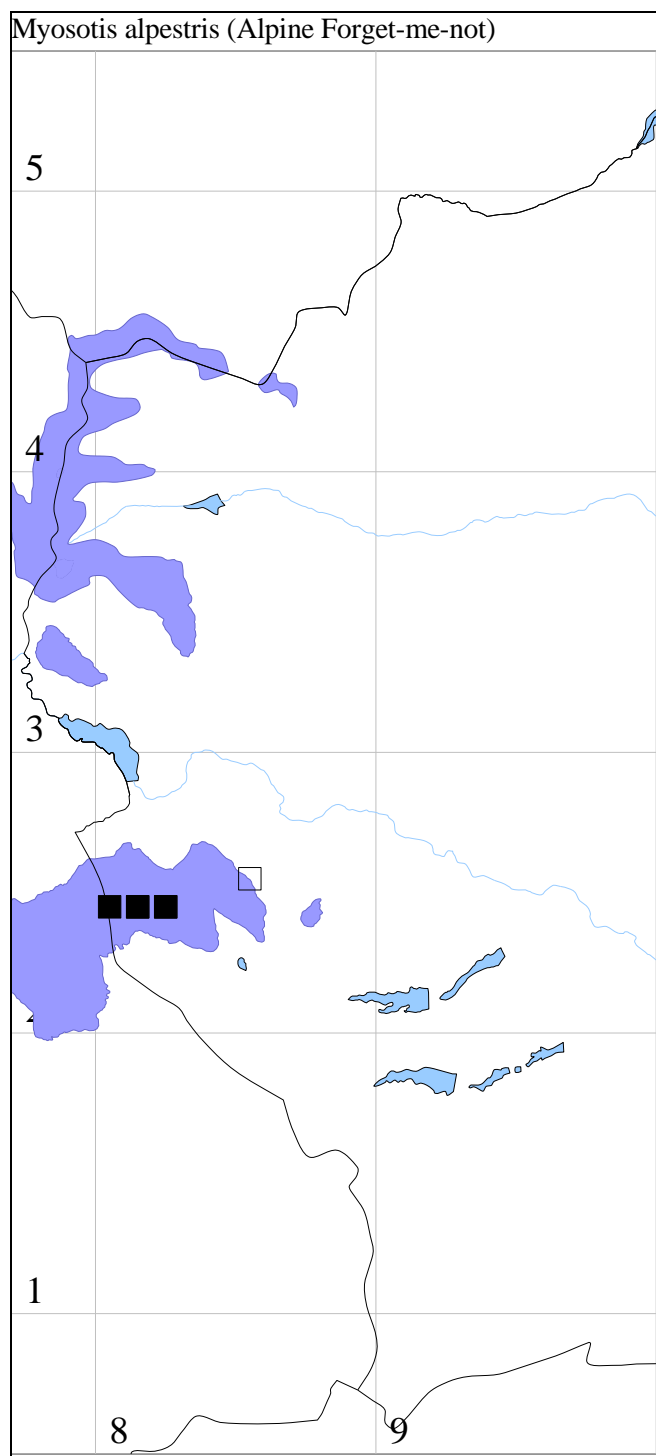
## ***Myosotis alpestris* Alpine Forget-me-not**

National Status      Near Threatened  
County Status        Rare

All of the sites are south of the Tees, on Mickie Fell (vc65) at 700 to 1180 metres.

1990	NY8024	Mickle Fell top	English Nature
July 2005	NY8224	Mickle Fell top	Rod Corner, Jeremy Roberts, Linda Robinson
1979	NY824246	Mickle Fell	Farrell, L.
1989	NY811246	Mickle Fell	Findlay, I.
1993	NY827244	Mickle Fell	Findlay, I.

**Conservation-** All of the sites are in the Upper Teesdale National Nature Reserve.





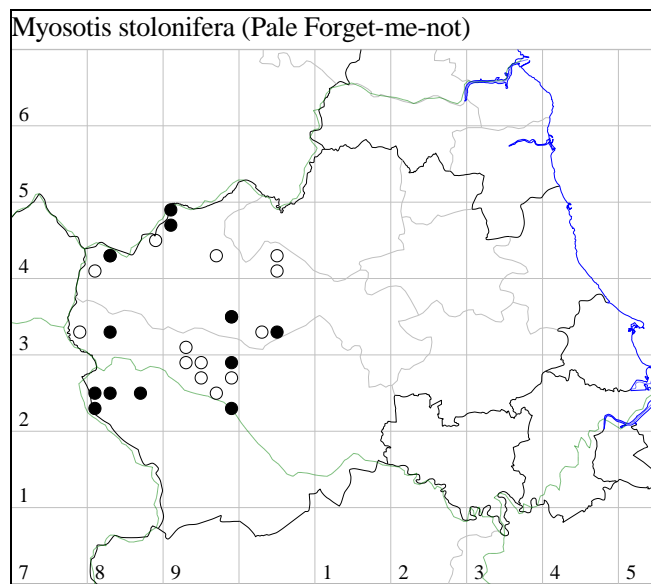
## *Myosotis stolonifera* Pale Forget-me-not

National Status Scarce  
County Status Scarce

Flushed fellsides in Teesdale, Weardale and the Derwent Valley.

14-Sep-78	NY8041	Wellhope Moor	Wiggington, M.J.
07/09/76	NZ037332	Pikestone Fell	Burnip, M.
18/06/78	NZ054418	Foresters' Lodge	Burnip, M.
21/06/78	NZ057429	Lumley Ling	Burnip, M.

1973	NY786324	Holdenhurth Band	Proctor, Rev H.G.
23/06/06	NY801248	Mickle Fell	Robson, Craig
	NY802240		
	NY809237		
	NY809243		
	NY815244		
	NY823244		
	NY823250		
	NY823251		
19/06/06	NY8025	Mickle Fell	Robson, C
18/06/06	NY8625	Bleabeck Grains	Robson, Craig
07-Jul-80	NY980352	Bollihope Common	GGG
09-Jul-97	NY983356	Catterick Moss	McCutcheon, D.E.
09-Jul-97	NY993296	Eggleshope Beck	McCutcheon D.E.
2009	NY822325	Forest-in-Teesdale	Natural England
08-Jul-79	NY883444	Frazers Quarry	Burnip, M.
29-Jul-87	NY938280	Hardberry Farm, near stream.	Burnip, M, Horsley, E, Jackson, J, Peacock, H.
16/08/73	NY954294	Hudeshope Beck	Silverside Dr A.J.
14/06/75	NY955271	Hudeshope Beck	Burnip, Mrs M.
08-Jul-97	NY823434	Killhope	McCutcheon, D.E.
24/05/09	NY8242	Killhope	J L Durkin
24/05/09	NY8342	Killhope	J L Durkin
04-Jul-83	NY822437	Killhope Wheel	Burnip, M.
16/08/73	NY938301	Newberry Scar	Silverside Dr A.J.
23/08/91	NY919472	Nookton Burn	McCutcheon, D.E.
24/08/91	NY9148	Nookton Fell	GGG
03/07/11	NY044328	North Grain Beck	A McLay
27-Jun-02	NY992224	Romaldkirk, North of Beer Beck, south verge	K Bowie, K Cunningham, F Daly, J Durkin.
13/06/81	NY979438	Steward Shield	Burnip, M.



***Myosoton aquaticum*    Water Chickweed**

National Status      Not Scarce  
County Status        Rare

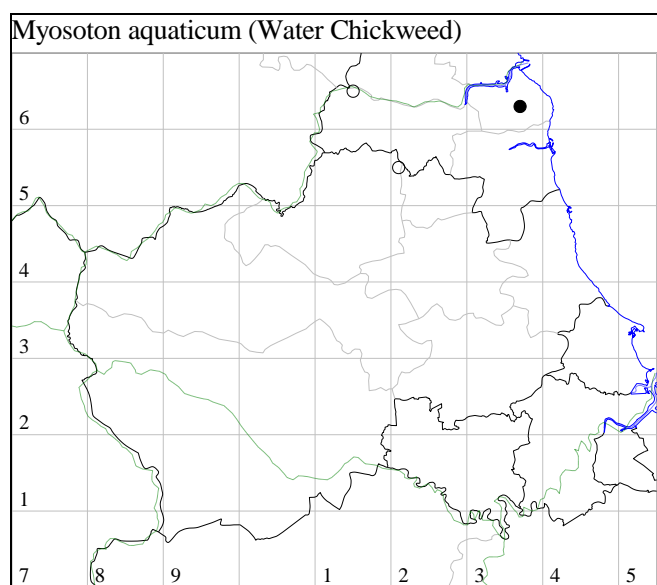
There is only one current site for this species,  
which is close to its northern limit here.

***Myriophyllum verticillatum*  
Whorled Water-Milfoil**

National Status      Vulnerable  
County Status        Extinct

No recent records

3/05/67	NZ157649	Ryton Willows Gut Pond	Graham, Rev G.G.
14/04/77	NZ215549	River Team at Beamish Hall	Graham, Rev G.G.
29/09/05	NZ373633	Temple Park East	Andy Mclay



**Neotinea ustulata** **Burnt Orchid**

National Status      Endangered  
County Status      Rare

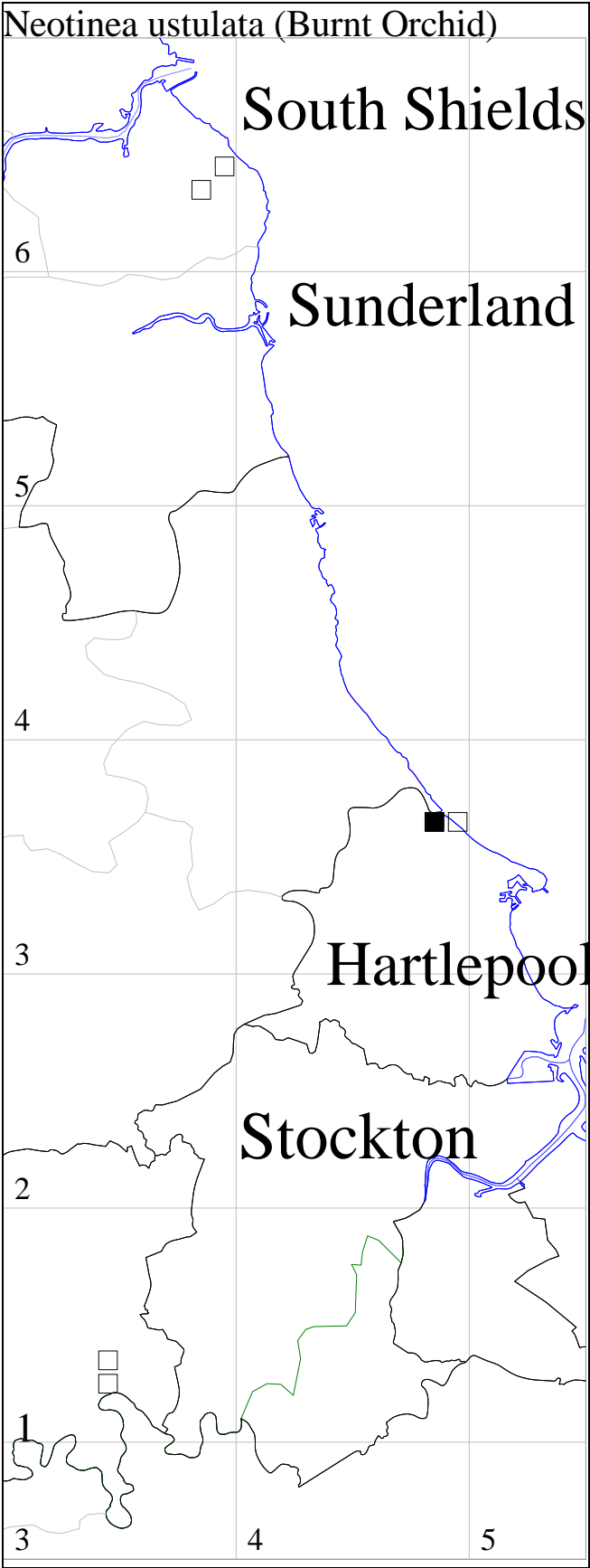
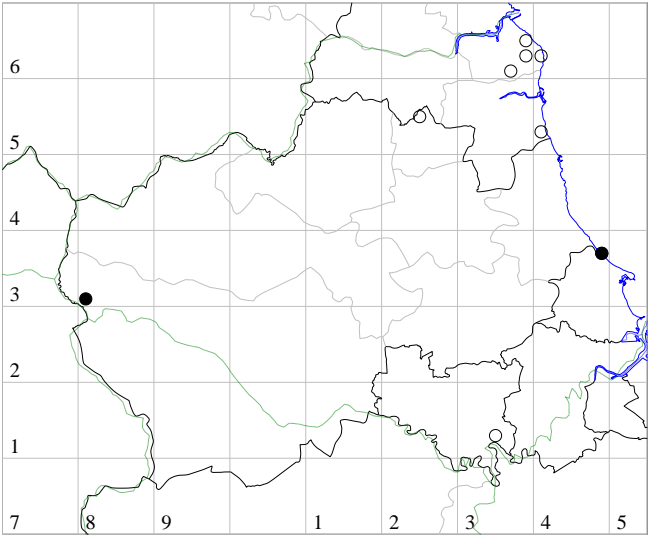
Formerly quite widespread, though always sparse, on the magnesian limestone and now reduced to a single site at the southernmost part of its former coastal range.

Hart Warren Golf Course, several locations on the edge of the dunes.

There is also a recent record from Widdybank in Upper Teesdale

31/05/06	NZ489364	Hart Warren	CNFC
07/06/06	NZ489365	Hart Warren edge of golf course	McKay, Dr M
21/06/69	NZ4936	Hart Warren	GGG
02/06/04	NY81513064	Widdybank	C Metherell

Neotinea ustulata (Burnt Orchid)



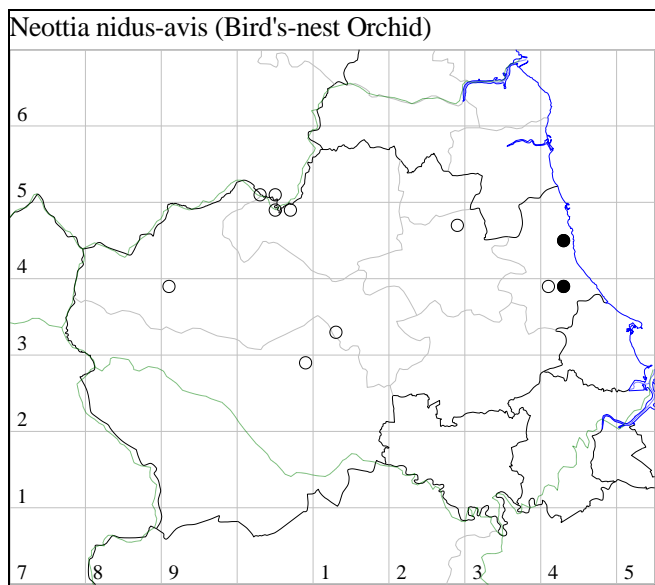
## ***Neottia nidus-avis* Bird's Nest Orchid**

National Status      Near Threatened  
County Status      Rare

Rare and sparse in beech and yew stands on limestone.

11/05/73	NY906390	Westgate	GGG
1975	NZ063487	Low Horsleyhope	GGG
Aug-83	NZ072497	Healeyfield	Lowe M R
06/08/74	NZ121330	North Carr Wood	Burnip, M
1979	NZ418387	Castle Eden	GGG
06/06/99	NZ425389	Castle Eden Dene	Coles, A.
09/06/98	NZ427389	Castle Eden	Durkin, J
1995	NZ429454	Hawthorn Dene	White, A.
15/06/11	NZ42886 45422	Hawthorn Dene	Peter Wilkinson

**Conservation-** Some of the sites are in a National Nature Reserve and in an SSSI.



## ***Nepeta cataria***

## **Cat-mint**

National Status      Vulnerable  
County Status      Rare

Jun 1973	NZ411558	Hendon Railway	Hall, Mr D.
----------	----------	----------------	-------------

**Noccaea caerulea**  
**Alpine Penny Cress**

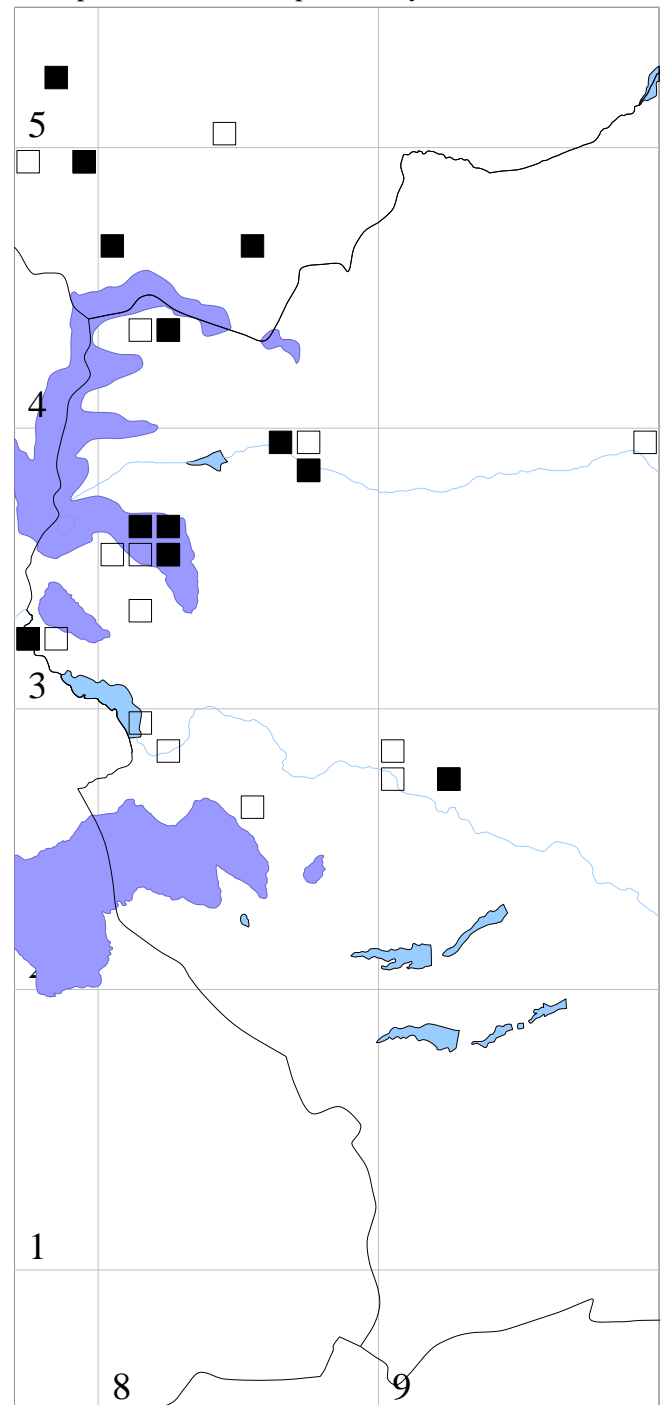
National Status      Scarce  
County Status        Scarce

On limestone soils with lead mining spoil in upper Teesdale and upper Weardale.

1977	NY808355	Ashgill Head	Hall, D.
Jul-91	NY867390	Blackdene Mine Railway LWS 3.02	Valerie Standen
Jul-91	NY879384	Bridge End Railway, St. John's Chapel LWS 3.03	Valerie Standen
1973	NY925275	Brockers Gill	Silverside, Dr A.J.
08-Aug-97	NY829359	Coldberry End	McCutcheon D.E.
1973	NY8129	Cow Green	Hudson, M.J.
13/06/06	NY779327	Crookburn Foot	Robson, Craig
09-Jun-06	NY8178 3637	Great Stony Hill	Robson, Craig
	NY8219 3639		
06/08/74	NY813336	Harwood Beck	Burnip, M.
24-Jun-78	NY781329	Holdenhurth Band	Burnip, Mrs M.
21/08/10	NY823434	Killhope	A McLay
1991	NY826430	Killhope Wheel LWS 3.6	Buchanan, P T
11-Jul-87	NY924274	Newbiggin	Burnip, M.
18/10/97	NY924275	Newbiggin	Sykes, M.
16-Jul-74	NY879383	St John's Chapel	Burnip, M.
25/05/00	NY9939	Stanhope	Moses, G W
11/06/76	NY905278	Winch Bridge	Mills, J.N.

**Conservation-** Some of the sites are in the Upper Teesdale National Nature Reserve.

**Thlaspi caerulescens (Alpine Penny-cress)**



**Nymphoides peltata      Fringed Water Lily**

National Status      Scarce  
County Status        Scarce, planted

Sometimes established in large numbers, though rarely persisting for long, for example at James Steel Park, Croxdale Hall, Wynyard, Brasside and Van Mildert College.

***Oenanthe aquatica***  
**Fine-leaved Water Dropwort**

National Status      None  
County Status        Rare

Only known from the Butterby SSSI, where it is abundant.

21 Jun 2011	NZ277387 NZ276386 NZ276387 NZ276388	Butterby Oxbow SSSI	John Liam Durkin
-------------	--	---------------------	------------------

***Oenanthe fistulosa***  
**Tubular Water Dropwort**

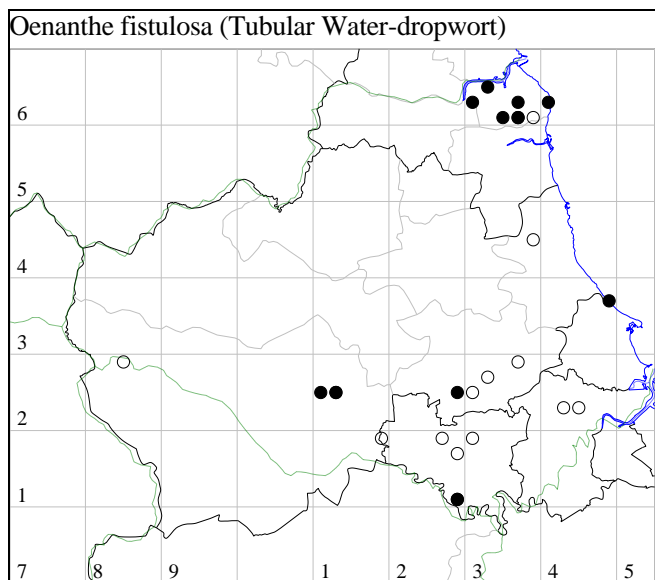
National Status      Vulnerable  
County Status        Scarce

In marshy places, banks of ponds and ditches, wet ridge-and-furrow pasture.

There are three centres of distribution, South Tyneside, the Skerne catchment, and Cockfield Fell.

Plants from Boldon Flats LWS were transplanted to newly created wetlands nearby in South Tyneside in the 1990s, and are now well established.

Conservation- Hell Kettles is an SSSI. Part of the Boldon Flats population is within the Boldon Pastures SSSI, the rest in a South Tyneside Council Local Wildlife Site.



17-Sep-07	NZ285240	Aycliffe Nature Park	Clare O'Reilly
1977	NZ449232	Billingham Bottoms	McAndrew Mr R.T.
19-Aug-81	NZ450232	Billingham Bottoms	Appleyard, Miss P.R.
09/09/85	NZ376616	Boldon Flats	GGG
06/09/07	NZ378615	Boldon Flats	J O'Reilly
1995	NZ378614	Boldon Flats	Durkin, J.
1987	NZ3861	Boldon Pastures SSSI	English Nature
13/08/70	NZ268189	Burtree Gate	Moses, P.
30-Aug-99	NZ117254 NZ126248 NZ117254	Cockfield Fell	GG and P S Graham
1992	NZ4836	Crimdon Dene	Boyce, R.
24/08/10	NZ1818	Headlam	Moses G W
1984	NZ281109	Hell Kettles SSSI	English Nature
01/08/09	NZ281108	Hell Kettles SSSI	Sarker, Falgunnee
01/08/09	NZ280109	Hells Kettles, Double Kettle	Sarker, Falgunnee
May-07	NZ319624	Monkton Fell pond	John Liam Durkin
07-Jul-75	NZ322265	Mordon	Wiggington, M.J.
22/07/10	NZ340608	Mount Pleasant Marsh	Clare O'Reilly
04/09/07	NZ340609	Mount Pleasant Marsh	Clare O'Reilly
19-Jul-75	NZ308249	Preston-le-Skerne	Wiggington, M.J.
18/08/80	NZ378295	Redcar Carr	GGG
21/04/71	NZ282166	Rise Carr	GGG
12-Jul-72	NZ301188	Skerningham	Burnip, M.
04-Jun-78	NZ386453	South Hetton Moor	Stevenson, Mr C.R.
17-May-07	NZ338650	Straker Street Pond, Jarrow	John Liam Durkin
06/09/07	NZ366622	Tilesheds	J O'Reilly
22/06/10	NZ367621	Tilesheds	Julia Quinonez
06/09/07	NZ418633	Whitburn Point	J O'Reilly
12/07/10	NZ412633	Whitburn Point	John O'Reilly



***Oenanthe lachenalii***  
**Parsley Water Dropwort**

National Status      None  
 County Status      Rare

The Monkton record is probably *O. fistulosa*.

18 Sep 1974	NZ432430	Horden Dene	Burns, Mrs M.
30 Jul 2000	NZ5228	Seaton Sands	DTNFC
29 Jul 2010	NZ3162	Monkton Pond	Julia Quinonez

***Ornithopus perpusillus***

**Bird's Foot**

National Status      None  
 County Status      Scarce, declining.

All modern records are from the "sand quarry grasslands" in the Blaydon-Ryton area.

30-May-04	NZ1561	Barlow Burn, east	McLay, A
26/08/10	NZ170629	Blaydon Burn LNR	McLay, A
15-Jul-07	NZ163625	Blaydon Quarry	A Mclay & B Pollinger
27-Jul-75	NZ159629	Burn Hills	Sanderson R
25-Jul-82	NZ162622	Burn Hills Gravel Pits	GGG.
08-Oct-10	NZ1663	Path Head Quarry	J L Durkin
20/06/11	NZ167629	Stargate	A McLay
18-May-98	NZ163633	Stargate	Young, G.
01-May-74	NZ167631	Stargate Sand Pits	Groom, R.E.
09-Apr-07	NZ1663	Stargate Pond	Andy Mclay

***Ophrys insectifera***      **Fly Orchid**

National Status      Vulnerable  
 County Status      Rare

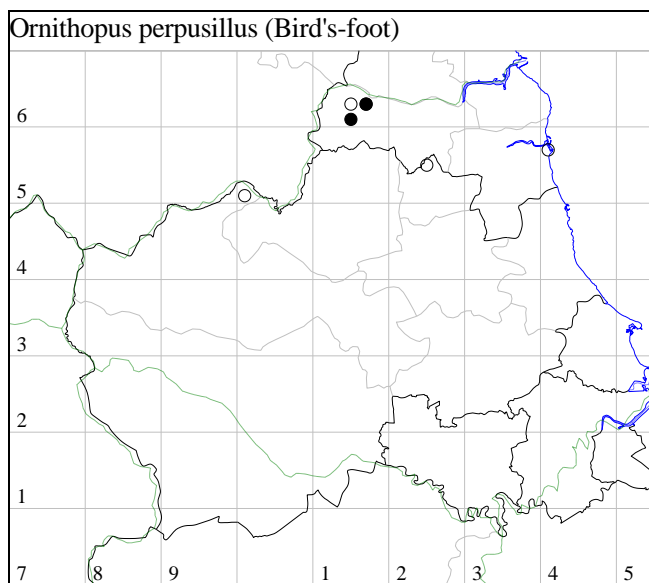
In open woodland in the coastal denes.

**Conservation**

Castle Eden Dene is a National Nature Reserve.

Hawthorn Dene is an SSSI.

1982	NZ4138	Castle Eden	GGG
1953	NZ4245	Hawthorn Dene	Unknown





***Orobanche alba*****Thyme Broomrape**

National Status      Scarce  
County Status      Extinct

NZ92

“Yorkshire” side of the Tees, vc65, 1941, F.A. Lees.

No recent records.

***Papaver argemone*****Prickly Poppy**

National Status      Vulnerable  
County Status      Rare casual

31-Jul-05	NZ300357	Tursdale Junction arable field	John O'Reilly
-----------	----------	-----------------------------------	---------------

***Orobanche hederæ*****Ivy Broomrape**

National Status      Vulnerable  
County Status      Extinct hortat

Appeared as a casual on ivy in the garden of Professor J W H Harrison at Birtley.

No recent records.

***Persicaria minor*****Small Water Pepper**

National Status      Vulnerable  
County Status      probably extinct

Marshy places.

18-Jun-94	NZ2945	Brasside Pond	NNU
-----------	--------	---------------	-----

***Orobanche rapum-genistæ*****Greater Broomrape**

National Status      Near Threatened  
County Status      Rare, perhaps extinct

The two most recent records are probably the same site.

1992	NZ0250	Burnhope Burn	Rob Strachan
11/08/99	NZ0351	Roger Hill, near Derwent Reservoir	Terry Coult

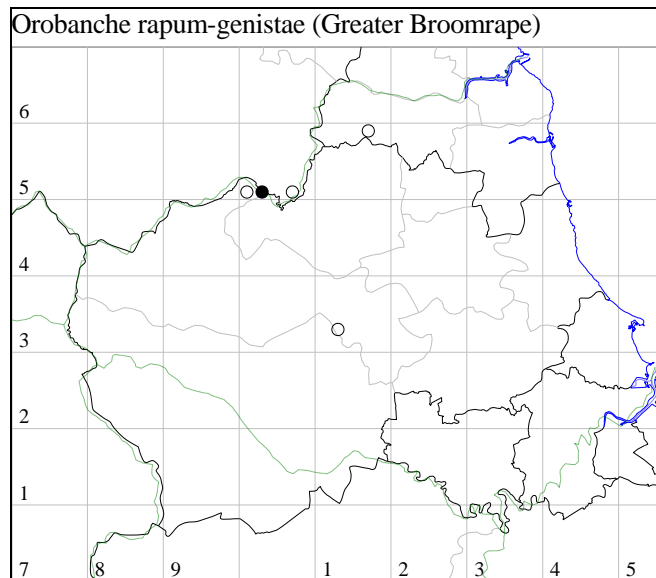
***Persicaria mitis*****Tasteless Water-Pepper**

National Status      Vulnerable  
County Status      Rare

Marshy places.

Plentiful in a swampy field near Beamish 1952 Professor J W H Harrison.  
Wet hollows in filed next to Pockerley Pond SSSI, probably the same site, John Durkin.

31-Jul-05	NZ222554	Near Pockerley Farm Pond	John Liam Durkin
-----------	----------	--------------------------	------------------



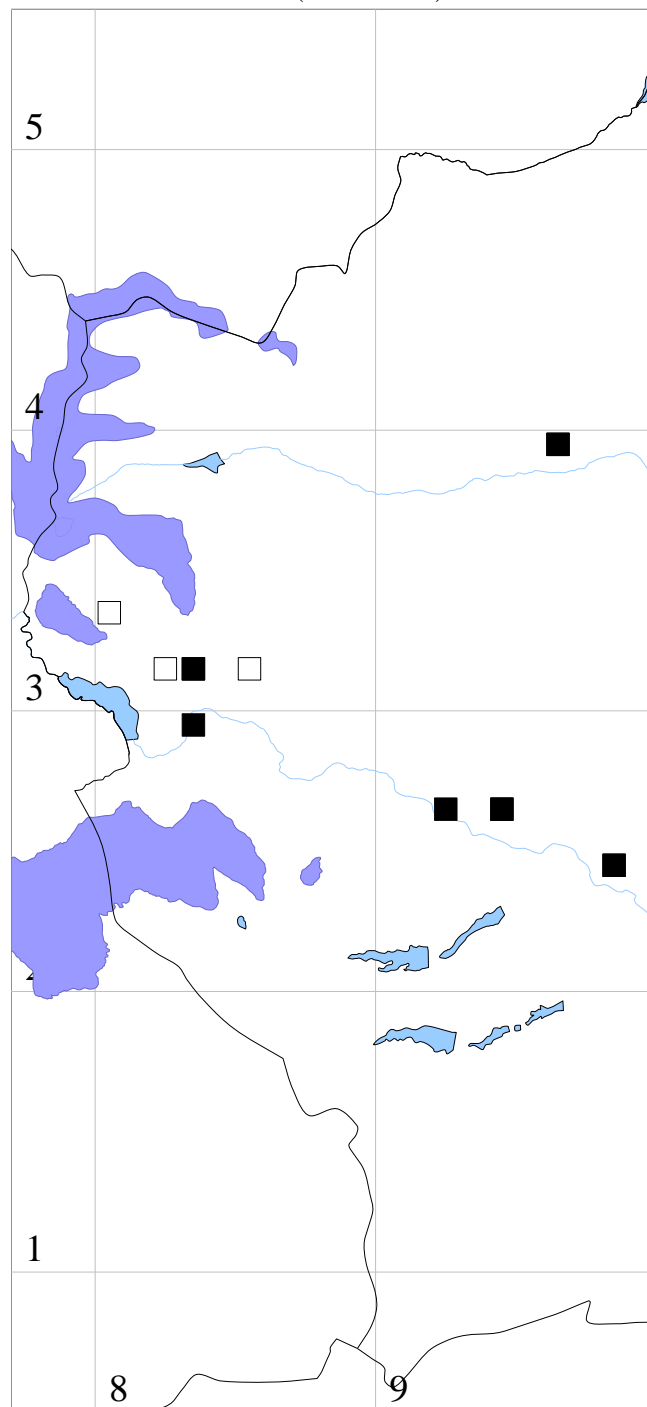
***Peucedanum ostruthium*      Masterwort**

National Status      Near Threatened  
County Status      Occasional

Well known at a number of Teesdale sites,  
and more sparsely in Weardale.

03/05/11	NY968397	East Bewdley	A McLay
20/07/78	NY809339	Harwood	Sykes, M.
24/07/76	NY949263	Hudeshope Beck	Groom, R.E.
Jun 1990	NY949262	Middleton in Teesdale	Hodgson, D.
29/06/76	NY823313	Peghorn Lodge	GGG
21/06/99	NY832313	Peghorn Lodge	Jones, V
May 2007	NY83Z	St John's Chapel riverside	John Durkin
26/07/78	NY809339	Stoney Comb	Sykes, M.
Oct 1993	NY982244	Toby Hill Farm	Porter, M.S.
1993	NY929262	Upper Teesdale	GGG
21/06/05	NY838298	Widdybank Farm	Wild Flower Society

*Peucedanum ostruthium* (Masterwort)



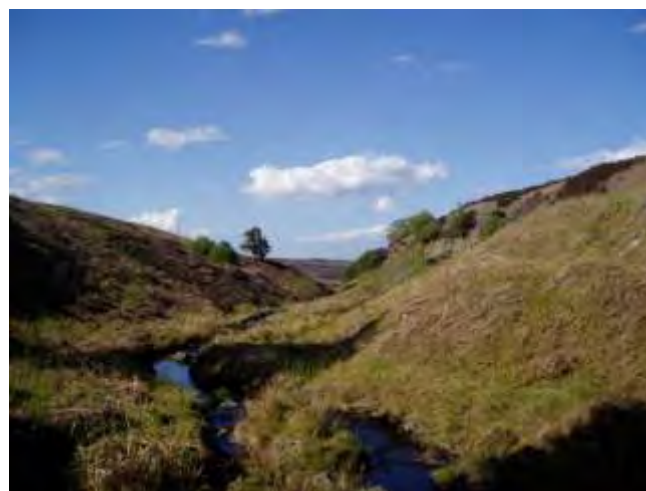
***Phleum arenarium*****Sand Cat's Tail**

National Status      None  
 County Status      Scarce, declining.

***Pinus sylvestica*****Scots Pine**

National Status      Scarce  
 County Status      Frequent, planted

Sub-fossil Scots Pine remains are frequent in peat in the upper Derwent Valley, creating speculation that the occasional moorland pines could be native. However, they are almost certainly planted or self-seeded from planted trees. The photo shows Feldon Burn, where there are occasional Scots Pines in birch/rowan/juniper stands.



09-Jun-70	NZ535278	North Gare Breakwater	GGG
09/05/07	NZ53562818	North Gare sands	A & G Young
	NZ53722822		
	NZ53842830		
	NZ53692846		
12/05/78	NZ530290	Seaton Dunes	GGG
	NZ529299		
	NZ531289		
1988	NZ535285	Seaton Dunes and Common	Woolven, S.C.
1988	NZ53702839	Seaton Dunes and Common	Radley, G.P.
	NZ52902910		
1969	NZ5228	Seaton Sands	GGG

***Pilularia globulifera*****Pillwort**

National Status      Near Threatened  
 County Status      Extinct or doubtful

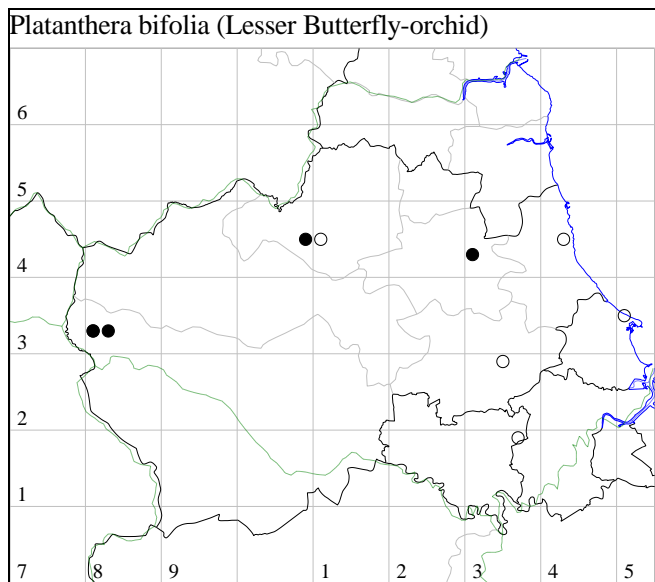
No recent records.

## ***Platanthera bifolia* Lesser Butterfly Orchid**

National Status      Vulnerable  
County Status      Rare

Heathy pastures.  
Probably gone from Broomside Scrambles.

12/08/09	NY8187833540	Between Force Foot and Rigg Side	John O'Reilly
1986	NY819337	Herdship	GGG
02/07/09	NY8225433476	Force Foot meadow	John O'Reilly
	NY8224533518		
2009	NY8232	Lingy Hill, Marshes Gill & Stoney Hill farms	John O'Reilly
Aug-90	NZ0944	Butsfield & Quick Burn LWS 1.13,	Valerie Standen
16/06/95	NZ3143	Broomside Scrambles	Graham, Rev G.G.

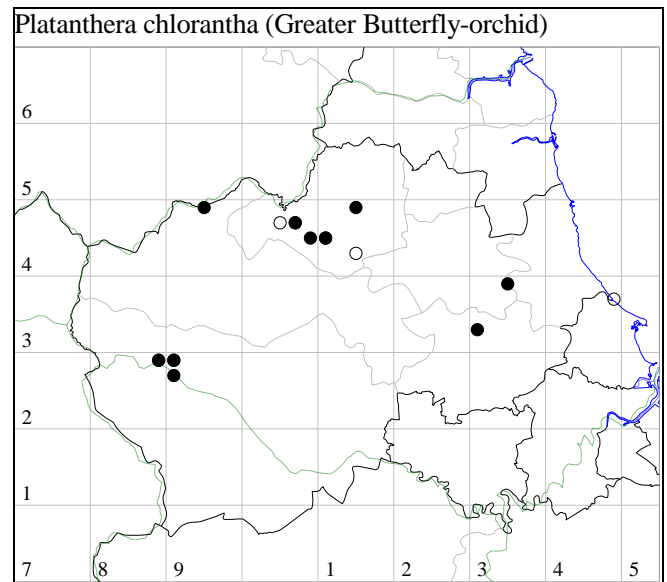


***Platanthera chlorantha***  
**Greater Butterfly Orchid**

National Status	Near Threatened
County Status	Scarce

In meadows and pastures on base rich soil.

16-Jul-81	NY896283	Ettersgill	GGG
Jun-99	NY901279	Winch Bridge	Coles, A.
16-Jul-02	NY9027	West Farm	Schober M
29-Aug-03	NY907285	Bowlees Pasture LWS 6.11	Ann & Gordon Young
Jul-91	NY908286	Bowlees Pasture LWS 6.11	Valerie Standen
Aug-97	NY9548	Bolt's Burn, Ramshaw, LWS 3.48	Valerie Standen and G Batey
16-Jul-82	NZ064473	Low Horsleyhope	Graham, Rev G G.
Aug-91	NZ064474	Horsleyhope Mill Meadow LWS 1.7	Valerie Standen
1981	NZ065473	Low Horsleyhope	Lowes, M.
21/06/06	NZ10634430	Byerleyhouse Wood	Keith Cunningham
10-Jun-05	NZ143481	Hurbuck Meadow	A & G Young
15-Jun-05	NZ149480	Lanchester Way, North side of track	Ann & Gordon Young
10/06/07	NZ31923265	Thrislington, comp'ment 6	A & G Young
15-Jun-05	NZ345396	A181, Signing Bank, central reservation	M Appleby, P Hannaby, A Lees and Julie Stobbs



## ***Polemonium caeruleum* Jacob's Ladder**

National Status      Nationally Rare  
County Status      Scarce, hortal

Hortal, established for some time along the River Wear, and at Castle Eden Dene.  
Widespread as a casual hortal.

There are native sites in Northumberland, so the old record "Meadows above the road near the High Force Inn" 1895 F J Hanbury (BM) is interesting.

## ***Polygala amarella* Dwarf Milkwort**

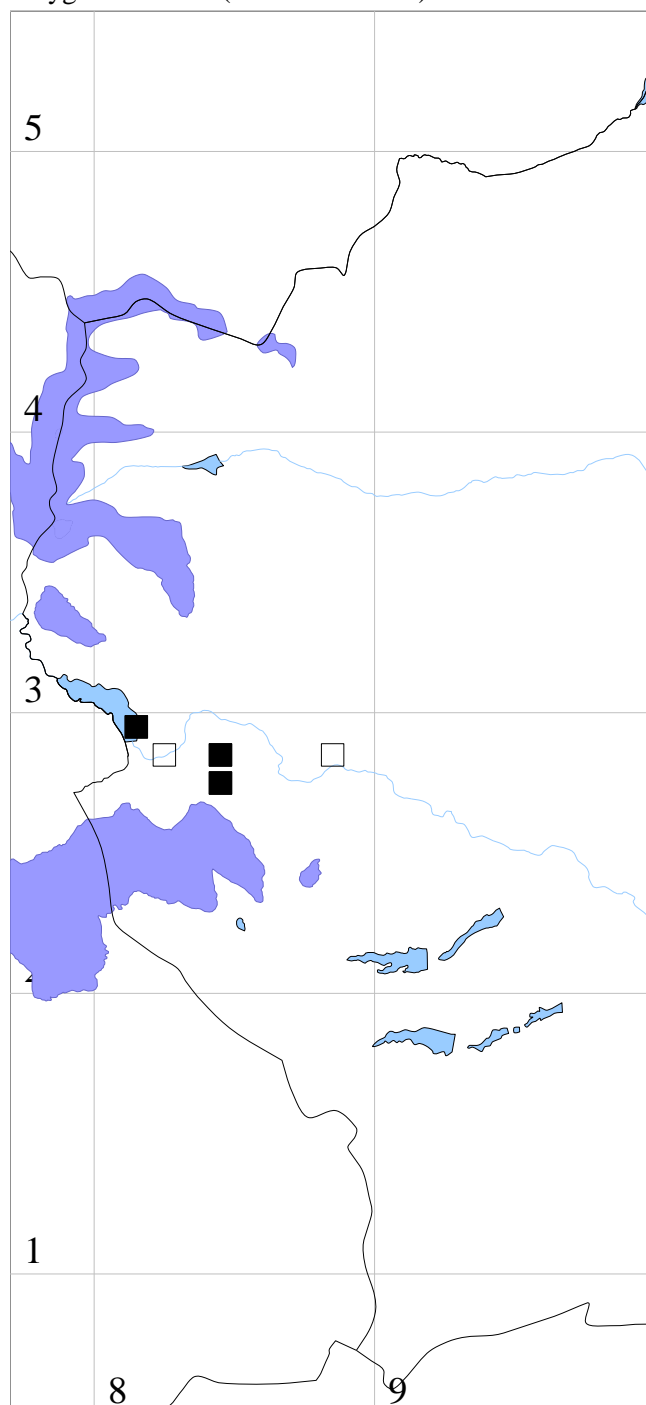
National Status      Nationally Rare  
County Status      Rare

"Sugar limestone" soils on Widdybank and Cronkley Fells.

**Conservation-** All of the sites are in the Upper Teesdale National Nature Reserve.

2007	NY817294	Widdybank Fell	Bradshaw M
21/07/71	NY817296	Widdybank Fell	Proctor, Rev H.G.
Sep-91	NY817298	Widdybank Fell	White, A.
28/01/75	NY818294	Widdybank Fell	Unknown
1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
2007	NY842283	Cronkley Fell	Bradshaw M
28/01/75	NY841280	Cronkley Scar	Unknown
28/01/75	NY843279	Cronkley Scar	Unknown
1994	NY841279	Cronkley Fell	Findlay, I.
1994	NY841281	Cronkley Fell	Findlay, I.
22/06/99	NY842283	Cronkley Fell enclosure	Jones, Vincent
1974	NY846283	Cronkley Fell	Fearn

*Polygala amarella* (Dwarf Milkwort)





## ***Polystichum lonchitis*    Holly Fern**

National Status      Vulnerable  
County Status        Rare

Limestone outcrops at Falcon Clints and Black Ark, Cronkley.

Populations were badly affected by collecting in the 19<sup>th</sup> century, and in 1920 G W Temperley and RBC found only five plants at Falcon Clints.

Currently there are about 25 plants in three groups at Falcon Clints. A fourth group, the westernmost, has died out in recent years. Most plants are long-established, but there are young ferns in the main site.

At Cronkley, there is possibly only one plant.

**Conservation-** All of the sites are in the Upper Teesdale National Nature Reserve.



**Rowan Crag**



**Main Falcon Clints site**



**Young plants at Falcon Clints**



2011	NY8249828136	Falcon Clints, east limit of main site	John Liam Durkin
2011	NY8244828120	Falcon Clints, west limit of main site	John Liam Durkin
2011	NY8232828111	Falcon Clints, rowan crag	John Liam Durkin
2011	NY8226028102	Falcon Clints, spring crag	John Liam Durkin
1998	NY8171628411	Falcon Clints, underhang	John Liam Durkin
28/01/75	NY843279	Cronkley Scar	L. Farrell

***Potamogeton coloratus* Fen Pondweed**

National Status	Scarce
County Status	Extinct

Formerly at Hell Kettles SSSI, south of Darlington. There are many museum specimens.

There are no recent records.

All of the Potamogetons are poorly recorded in the county.

***Potamogeton perfoliatus***  
**Perfoliate Pondweed**

National Status	None
County Status	Scarce, declining.

23-Sep-76	NZ306531	Fatfield	Hall, D.
Jul-10	NZ316540	James Steel Lake	J L Durkin
Jun-77	NZ35I	River Wear	Durham Flora
1977	NZ24X	River Wear	Holmes, Dr N.T.H.
	NZ24U		
	NZ25Q		
	NZ24Z		
	NZ35B		
1980	NZ24W	River Wear	Wheeler, Dr B.D.

***Potamogeton lucens*      Shining Pondweed**

National Status	None
County Status	Possibly extinct

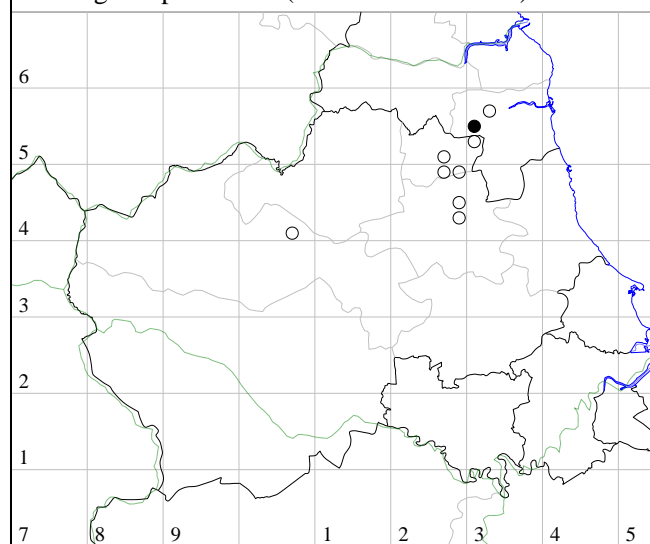
08 Jul 1975	NZ065407	Tunstall Reservoir	Burnip, Mrs M.
-------------	----------	-----------------------	----------------

***Potamogeton obtusifolius***  
**Blunt-leaved Pondweed**

National Status	None
County Status	Scarce, declining.

1995	NZ328488	Joe's Pond	Sunderland LWS records
14-Sep-76	NZ327572	Barmston Pond	Graham, Rev G.G.
20-Oct-76	NZ128634	Bradley Hall	Hall, D.
01-Sep-10	NZ122631	Bradley Hall Lake	J L Durkin
1986	NZ278504	Chester-le- Street	GGG
30-Sep-74	NZ253291	Leasingthorne	Dunn, T.C.
20-Jun-80	NZ368313	Mill House	GGG
2011	NY990348	Bollihope reservoir	D. Shimwell

## Potamogeton perfoliatus (Perfoliate Pondweed)



***Potamogeton praelongus***  
**Long-stalked Pondweed**

National Status	Near Threatened
County Status	Extinct, doubtful

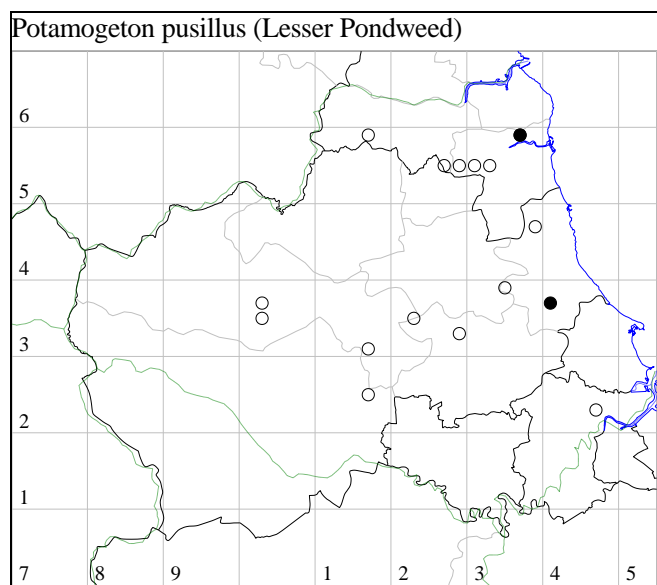
“Known (previously only) in the sub-fossil condition from Durham, now recorded from the River Wear” 1953, Professor J W H Harrison.

There is no specimen for this doubtful record.

***Potamogeton pusillus***  
**Lesser Pondweed**

National Status      None  
County Status      Scarce, declining.

1977	NZ326553	Cox Green	Hall, Mr D.
14-Aug-76	NZ281335	Ferryhill	Burnip, M.
06-Aug-76	NZ038364	Frosterley	Burnip, M.
07-Sep-76	NZ034350	Harehope	Burnip, M.
Aug-77	NZ289542	Harraton Hall	Hall, D.
1984	NZ3946	Hesledon Moor East	English Nature
Jul-10	NZ3658	Hylton Dene	J L Durkin
21-Sep-73	NZ225349	Page Bank	Burnip, M.
14-Aug-76	NZ318543	River Wear	Hall, D.
28-Aug-73	NZ15U	Rowlands Gill	Groom R E
1980	NZ3758	Timber Beach	GGG
19-Sep-07	NZ4037	Wellfield Brick Ponds Nos 4 & 5	Clare O'Reilly
01-Sep-79	NZ164312	Witton-le-Wear SSSI	Burnip, M.



**Potentilla crantzii****Alpine Cinquefoil**

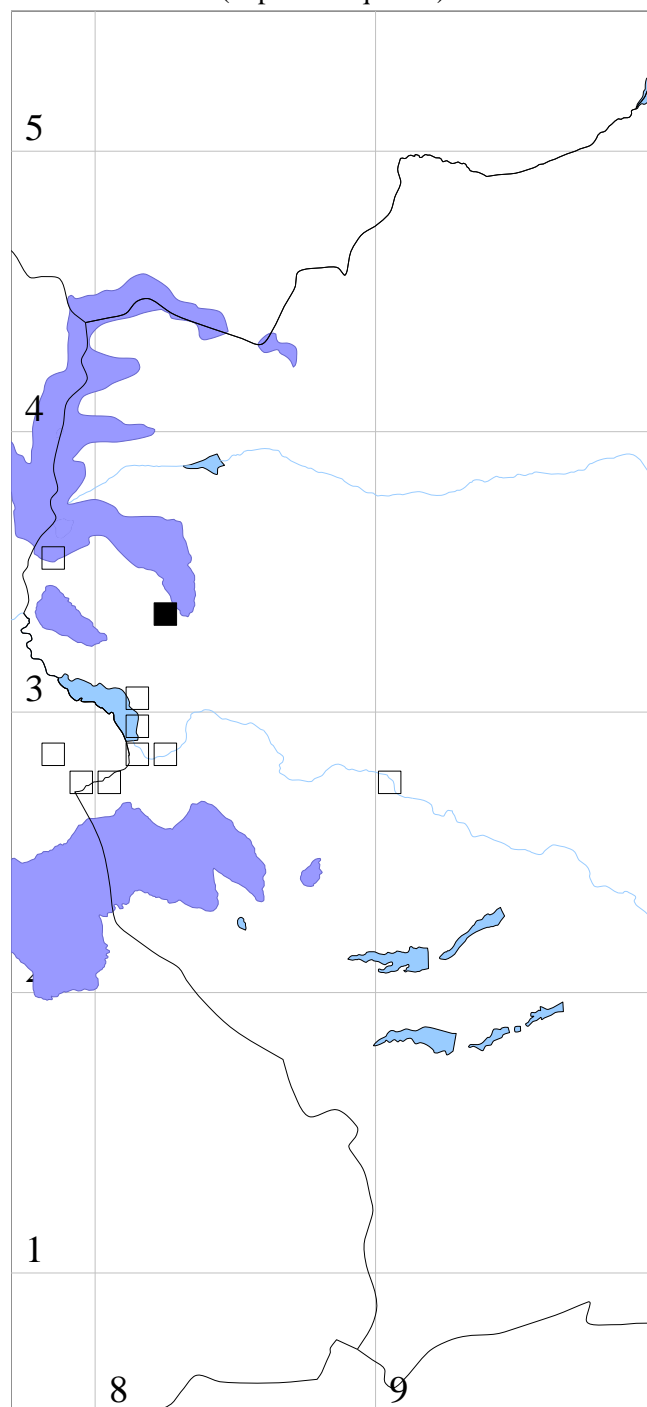
National Status      Scarce  
County Status      Rare

Limestone rock crevices in upper Teesdale.

Conservation- The sites are in the Upper Teesdale National Nature Reserve.

1974	NY820281	Falcon Clints	Gibbons, R B
2009	NY82253388	Harwood	Natural England
1976	NY811302	Widdybank Fell	M Bradshaw & Alison Jones
	NY811303		
	NY812302		
	NY812303		
	NY810303		
	NY818290		
	NY820288		
	NY819289		
	NY817292		
	NY816293		
	NY819290		
	NY820289		
	NY817291		
	NY821289		
	NY815293		
	NY814295		
	NY814296		
	NY814297		
	NY814298		
	NY814299		
	NY815295		
	NY815296		
	NY815297		
	NY815298		
	NY815299		
18/06/79	NY904279	Winch Bridge	Blakemore J
15/07/55	NY7835	Yad Moss	Bradshaw M
02-Jul-09	NY82274 33902	Limestone cliffs west of Hill Top	John O'Reilly
03/08/09	NY826330	UT NNR unit 21	M Schober

Potentilla crantzii (Alpine Cinquefoil)





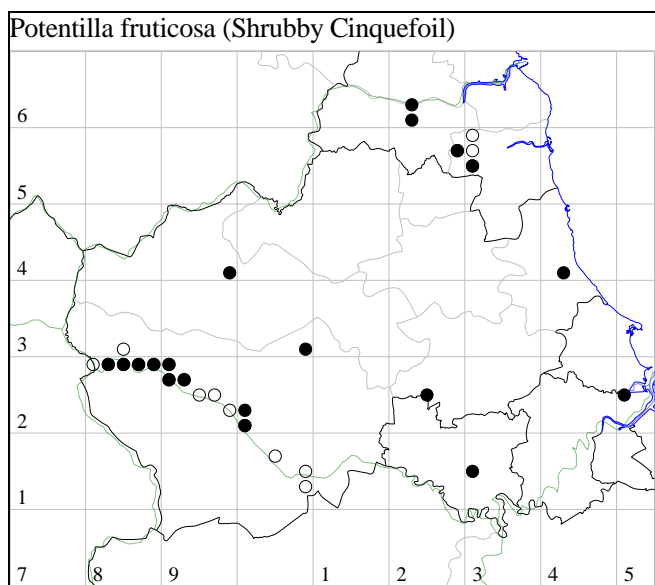
## ***Potentilla fruticosa* Shrubby Cinquefoil**

National Status      Near Threatened  
County Status        Scarce

County Durham has a significant proportion of the national distribution of this species.

Along the banks of the Tees from Cauldron Snout to below Barnard Castle, as a native. It is a regular feature of gardens in upper Teesdale, and has been planted elsewhere, particularly in Washington.

**Conservation-** Many of the sites are in the Upper Teesdale Nature Reserve.

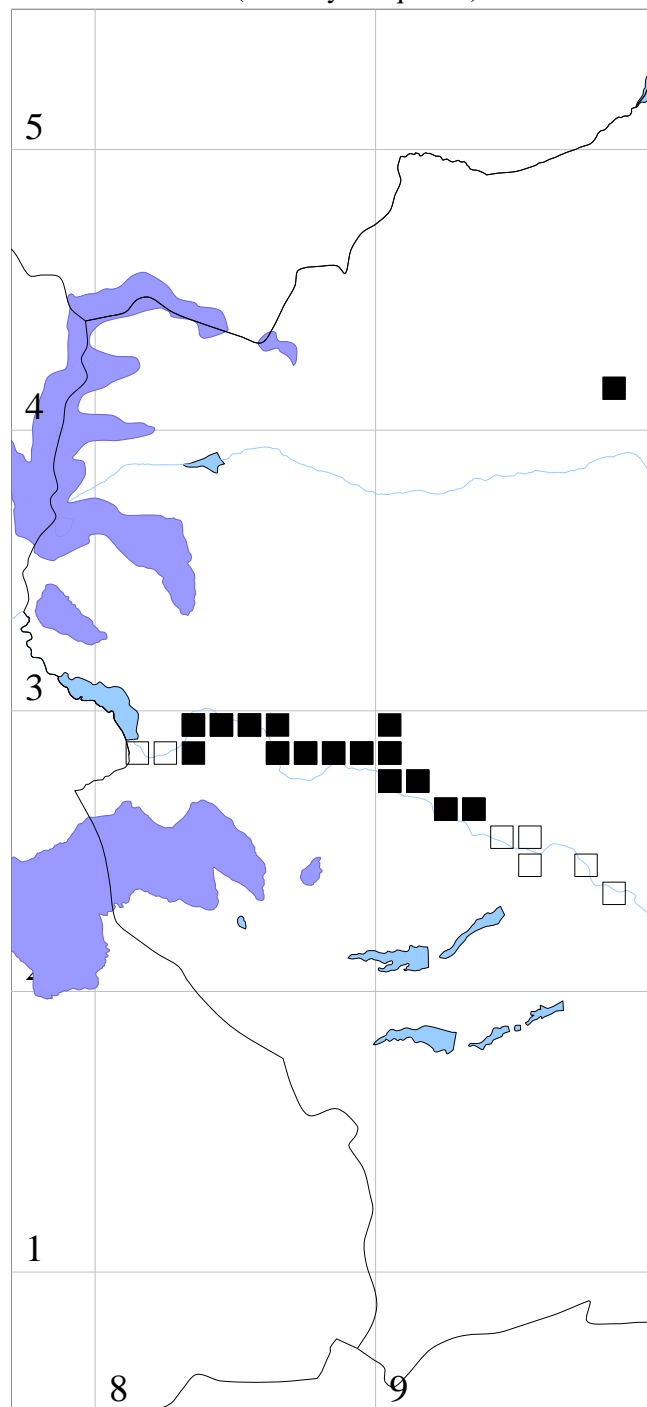


Only the Teesdale records are from native sites.

13/06/09	NY903280	Bowlees	DTNFC
18/09/79	NY847297	Brock Holm	Blakemore J
07/08/93	NY842299	Brock Holm	GGG
1970	NY8128	Cauldron Snout	Rob, Ms C.M.
29/09/11	NY835290	Cronkley, south bank of Tees	J L Durkin
	NY835291		
	NY835292		
	NY835293		
	NY834289		
	NY834288		
	NY834287		
	NY8428		
17/09/79	NY837295	Cronkley Scar	Blakemore, J.
24-Jul-93	NY870281	Cronkley Scar	GGG
Aug-91	NY932261	Crook Pool, Tees Bank, LWS 6.03	Valerie Standen
17-Jul-93	NY933260	Dent Bank	GGG
17-Jul-93	NY933264	Dent Bank	GGG
24-Jul-93	NY865285	Dineholm Scar	GGG
27-Jul-93	NY864284	Dineholm Scar	GGG
18/10/68	NY985236	Eggleston	Burnip, M.
22-Jul-72	NY820281	Falcon Clints	Hudson M.J.
1993	NZ000226	Great Wood	GGG
29-Jul-80	NZ003218	Great Wood	GGG
09-Jun-09	NZ0931	Hamsterley Forest	Sarker, Falgunee
1979	NY864289	High Force	Blakemore J
31-Jul-93	NY883285	High Force	GGG
22-Jul-65	NY897283	High Force	GGG
Aug-07	NY880283	High Force, S side of river	John Liam Durkin
31-Jul-93	NY886285	Holwick Head Bridge	GGG
25-Jul-67	NY886284	Holwick Head Bridge	Groom, Mr R.E.
1979	NY889283	Holwick Bridge	J Blakemore
Aug-91	NY925264	Low Houses, Tees Bank, LWS 6.02	Valerie Standen
1984	NZ008212	Low Shipley	NCC
15-Jul-08	NY8629	Meadow on W bank of Tees, N of Cronkley Farm	Fiona Corby
25-Sep-93	NZ013206	Near Shipley Wood	GGG
1985	NY903281	Near Winch Bridge	Wilson, P.J.
1993	NY836295	Raven Scar	GGG
Jul-06	NY871281	River Tees banks, High Force Quarry	J L Durkin
Aug-07	NY925265	River Tees, VC65	J L Durkin

Aug-07	NY893282	River Tees, upstream of Winch Bridge	John Liam Durkin
16/07/93	NY904299	Broadley's Gate	GGG
20/08/93	NY910274	Scoberry Bridge	GGG
20/06/73	NZ084146	Sledwich Hall	Moses, P.
1980	NZ043172	Waterman's Island	Burnip, M.
14/08/93	NY855295	Wheysike	GGG
14/08/93	NY856295	Wheysike	GGG
23-Jun- 79	NY835293	Widdybank Farm	Farrell, L.
1975	NY899283	Winch Bridge	Simpson FW
31-Jul-93	NY900282	Winch Bridge	GGG
2010		Winch Bridge Craggs	J L Durkin
1975	NY907276	Winch Bridge	J Blakemore
04/10/75	NY904278	Winch Bridge	Simpson, C.
1993	NY908275	Winch Bridge	GGG
22-Jun- 96	NY904270	Winch Bridge, south side	Jones, Vincent

*Potentilla fruticosa* (Shrubby Cinquefoil)



### *Potentilla tabernaemontani* Spring Cinquefoil

National Status      Scarce  
County Status      Rare

A single site, several patches on fixed dunes at Crimdon.

31-May-06	NZ486367	Hart Warren	Cleveland Naturalists Field Club
14-May-91	NZ489366	Hartlepool Golf Course	Graham, Rev G.G.
09-Aug-83	NZ491363	Hart Warren	Graham, Rev G G.



***Primula farinosa*    Bird's Eye Primrose**

National Status	Vulnerable
County Status	Scarce

In short turf on damp basic soil, both in Upper Teesdale and on the magnesian limestone. Declining on the magnesian limestone. Formerly also in the Derwent Valley and near Darlington, but now extinct there.

County Durham has a significant proportion of the national distribution of this species.

**Conservation-** Most of the upland plants are in the Upper Teesdale National Nature Reserve. Almost all of the magnesian limestone populations are in the Durham Coast NNR, the Thrislington NNR or in SSSIs.

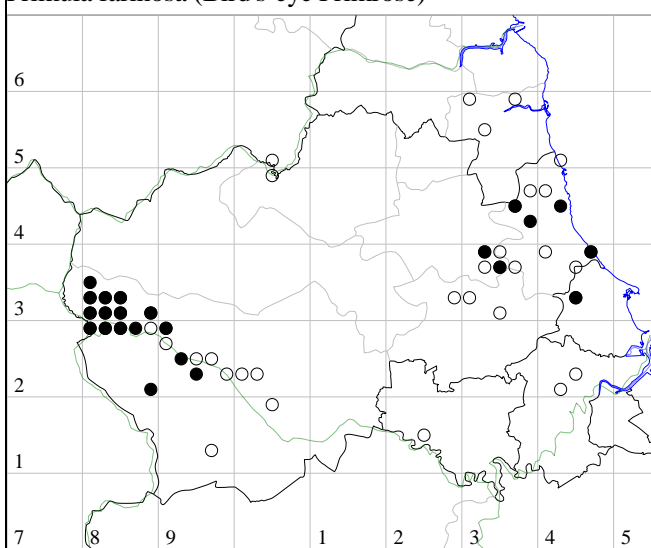


**Birds Eye Primrose. Photo by Terry Coult**

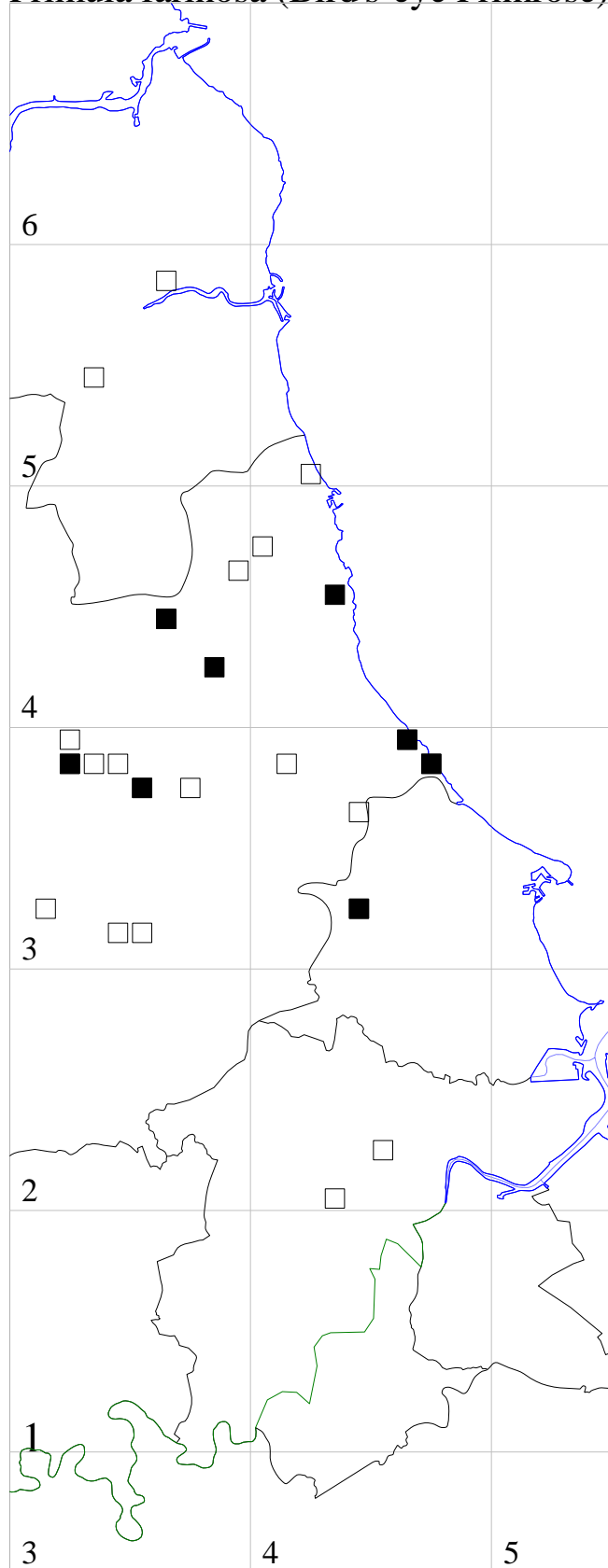
## Magnesian Limestone Sites

<b>1993</b>	<b>NZ4345</b>	<b>Beacon Hill</b>	<b>C J Lowe</b>
<b>13/10/93</b>	<b>NZ441326</b>	<b>Beacon Hill</b>	<b>C J Lowe</b>
<b>2009</b>	<b>NZ442326</b>	<b>Beacon Hill</b>	<b>Ian Bond</b>
<b>27/06/79</b>	<b>NZ475385</b>	<b>Blackhall Rocks</b>	<b>GGG</b>
<b>28/05/03</b>	<b>NZ472386</b>	<b>Blackhall Rocks coastal hollow</b>	<b>A &amp; G Young</b>
<b>19/06/93</b>	<b>NZ465395</b>	<b>Blue House Gill</b>	<b>A &amp; G Young</b>
<b>26/06/07</b>	<b>NZ3238</b>	<b>Cassop Vale</b>	<b>Hiles, A</b>
<b>1974</b>	<b>NZ3239</b>	<b>Cassop Vale</b>	<b>Way, J M</b>
<b>1985</b>	<b>NZ3338</b>	<b>Cassop Vale SSSI</b>	<b>English Nature</b>
<b>28/05/90</b>	<b>NZ4738</b>	<b>Cross Gill area</b>	<b>Mitchell D</b>
<b>1975</b>	<b>NZ398464</b>	<b>East Murton</b>	<b>Dunn, T C</b>
<b>1975</b>	<b>NZ351315</b>	<b>Holdforth Farm</b>	<b>Dunn, T C</b>
<b>03/09/85</b>	<b>NZ440368</b>	<b>Hulam Fen</b>	<b>GGG</b>
<b>1992</b>	<b>NZ365444</b>	<b>Pig Hill SSSI</b>	<b>English Nature</b>
<b>09-Jul-74</b>	<b>NZ369446</b>	<b>Pig Hill SSSI</b>	<b>Dunn, T C</b>
<b>18-May-80</b>	<b>NZ329386</b>	<b>Red Briar Bank, Quarrington Hill</b>	<b>Graham, Rev G G.</b>
<b>Oct-72</b>	<b>NZ344314</b>	<b>Sprucely</b>	<b>Wheeler, B D</b>
<b>1979</b>	<b>NZ3132</b>	<b>Thrislington NNR</b>	<b>GGG</b>
<b>12-Aug-09</b>	<b>NZ352373</b>	<b>Town Kelloe Bank SSSI</b>	<b>Hunter, Amanda</b>
<b>1994</b>	<b>NZ388429</b>	<b>Tuthill Quarry SSSI</b>	<b>English Nature</b>
<b>1977</b>	<b>NZ3737</b>	<b>Wingate Quarry</b>	<b>Taylor, P.</b>

## Primula farinosa (Bird's-eye Primrose)



## Primula farinosa (Bird's-eye Primrose)



## Teesdale sites south of the Tees

1986	NY948245	Middleton Quarry SSSI	English Nature
21-Jul-97	NY8629	Cronkley Bridge	McCutcheon D.E.
30/09/09	NY8328	Cronkley Fell	J L Durkin
01/09/07	NY8428	Cronkley Fell	J L Durkin
29/09/11	NY835293	Cronkley, banks of Tees	J L Durkin
11/07/10	NY890210	Selset Reservoir	A McLay
1980	NY9612	Sleightholme Beck Gorge 'The Troughs' SSSI	Sykes, M.

## Teesdale Sites north of the Tees

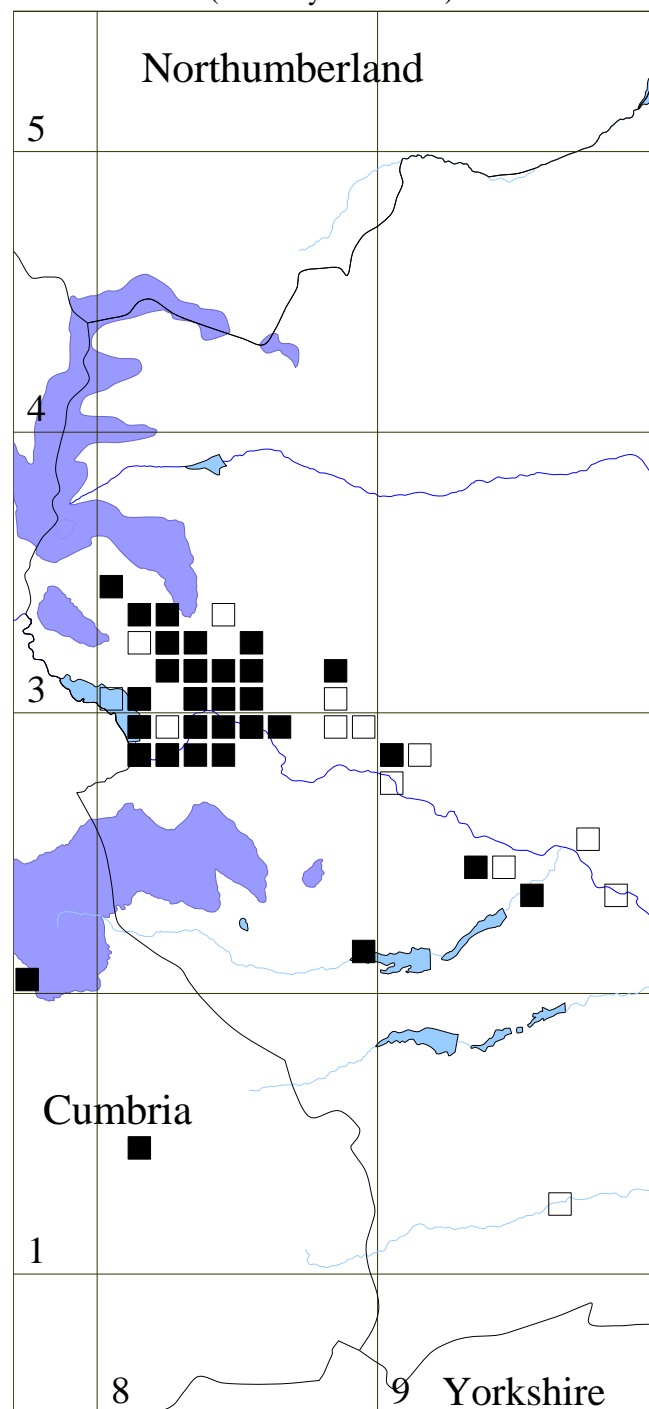
18/08/09	NY8076934032	Comber Hill	J O'Reilly
18/08/09	NY8064534082	Comber Hill	J O'Reilly
18/08/09	NY8108733742	SE of Hill End	J O'Reilly
2009	NY811331	Herdship	Natural England
	NY814333		
	NY819335		
01-Jul-06	NY820281	Falcon Clints	Wood D& Woods M
	NY8128		
19/08/11	NY8263028170	Falcon Clints	J L Durkin
1965	NY816296	Widdybank Fell	Ratcliffe, D.A.
	NY817294		
	NY819292		
	NY826291		
	NY827292		
	NY827293		
1976	NY810302	Widdybank Fell	M Bradshaw & Alison Jones
	NY810303		
	NY811301		
	NY811302		
	NY811303		
	NY812302		
	NY812303		
	NY812304		
	NY813295		
	NY813296		
	NY813303		
	NY813304		
	NY814294		
	NY814295		
	NY814296		
	NY814301		
	NY814302		
	NY814304		
	NY815292		
	NY815293		
	NY815294		
	NY815295		

	NY815296		
	NY816301		
	NY817291		
	NY818290		
	NY818291		
	NY819289		
	NY819290		
	NY828288		
	NY828289		
	NY829288		
	NY829289		
2008	NY837299	Widdybank Pasture	Jeremy Roberts
13-Jul-08	NY839299	Widdybank Farm	Simpson, G.
15/09/81	NY846302	Widdybank Pasture	Graham, Rev G G.
	NY842301		
03-Jul-09	NY835317	Harwood Beck	Schober M
19/06/74	NY8132	Stoney Comb	Burnip, M
18/08/09	NY8139333404	South of Clover Yard	John O'Reilly
	NY8141433412		
	NY8139633312		
	NY8127633302		
19/08/11	NY81503042	Slapestone Sike	J L Durkin
	NY81523044		
31/08/05	NY815305	Cow Green	A & G Young
19/08/11	NY81662943	Red Sike	J L Durkin
06/08/09	NY81703318	Black Hill	J O'Reilly
06/08/09	NY818334	West of Force Foot	John O'Reilly
	NY818336		
	NY819334		
06-Aug-09	NY821327	North-west of Marshes Gill	John O'Reilly
28-May-09	NY822327	Meadow north of Marshes Gill	John O'Reilly
25-Jul-09	NY8230832278	Pasture west of Binks House	John O'Reilly
	NY8225732282		
25-Jul-09	NY8233832616	Meadow NW of Marshes Gill	John O'Reilly
	NY8230832672		
	NY8229632688		
May-09	NY823318	Marshes Gill (Binks House meadows) & Greenhills farms	John O'Reilly
2009	NY821320	Forest-in-Teesdale	Natural England
	NY853310		
	NY823326		
	NY861295		
04/06/97	NY823333	Force Foot	Doug McCutcheon

25-Jul-09	NY8247931788	Pasture SW of Binks House	John O'Reilly
	NY8248531798		
	NY8241631758		
	NY8246431778		
	NY8242031736		
25-Jul-09	NY8274232400	E of Low End bridge, north bank	John O'Reilly
04-Jul-09	NY8292932674	Slack Sike meadow	John O'Reilly
	NY8297932558		
04/05/91	NY8233	Harwood	Burnip, M
2009	NY82953243	Harwood	Natural England
20/06/00	NY8332	Harwood	Schober M
26-Jun-09	NY8355731838	Meadow SW of Greenhills	John O'Reilly
12/08/09	NY8411730956	Along Sand Sike	John O'Reilly
	NY8393130940		
	NY8389430952		
	NY8391630942		
04-Jul-09	NY8412830954		
	NY8418830968	Sand Sike	J O'Reilly
	NY8421430966		
	NY8439530962		
	NY8442230948		
	NY8434530928		
	NY8443630962		
	NY8436230926		
2009	NY843313	Langdon Beck	Natural England
	NY843314		
07-Aug-09	NY844318	High Combwell Sike	J O'Reilly
2008	NY842301	Widdybank Pasture	Jeremy Roberts
2008	NY847304	Widdybank Pasture	Jeremy Roberts
2009	NY848296	Cetry Bank	Natural England
	NY847296		
	NY849298		
12/07/06	NY8529	Harwood Beck	G Young
07-Aug-09	NY848301	Allotment SW of Sayer Hill	John O'Reilly
	NY850300		
19-Jun-09	NY8528430484	Hunter's Close Bank	John O'Reilly
2009	NY849317	Near Langdon Beck	Natural England
	NY847319		
Jun-99	NY849309	Langdon Beck	Coles, A.
22/05/00	NY8532	Langdon Beck	Schober M
2009	NY853296	Whey Sike	Natural

	NY853297		England
	NY856294		
	NY851296		
	NY851298		
	NY850296		
07/08/09	NY851299	Whey Sike	J O'Reilly
30-Jun-09	NY85353102	Bank in meadow across beck from Langdon Beck Side	John O'Reilly
20/04/08	NY859297	Haugh Hill	A McLay
12-Jul-06	NY860295	Haugh Hill	A&G Young
Jul-76	NY8830	High Beck Head	Proctor HG
28/05/94	NY885311	High Beck Head	GGG
04/06/77	NY887293	Ettersgill	DTNFC
1977	NY8929	Dirt Pit	GGG
13/06/09	NY9028	Bowlees	DTNFC
13/09/70	NY904279	Winch Bridge	GGG
27/08/09	NY9324	Crossthwaite Common	Schober M
Jun-91	NY954234	Cote House Wood & Marsh, LWS 6.17, marsh	Valerie Standen
Jul-80	NY982236	Eggleston	GGG
05/06/80	NY983236	Eggleston	GGG
21/05/77	NZ003222	Great Wood	GGG
11-Jul-75	NZ021234	Howlsworth	Moses, P.

*Primula farinosa* (Bird's-eye Primrose)



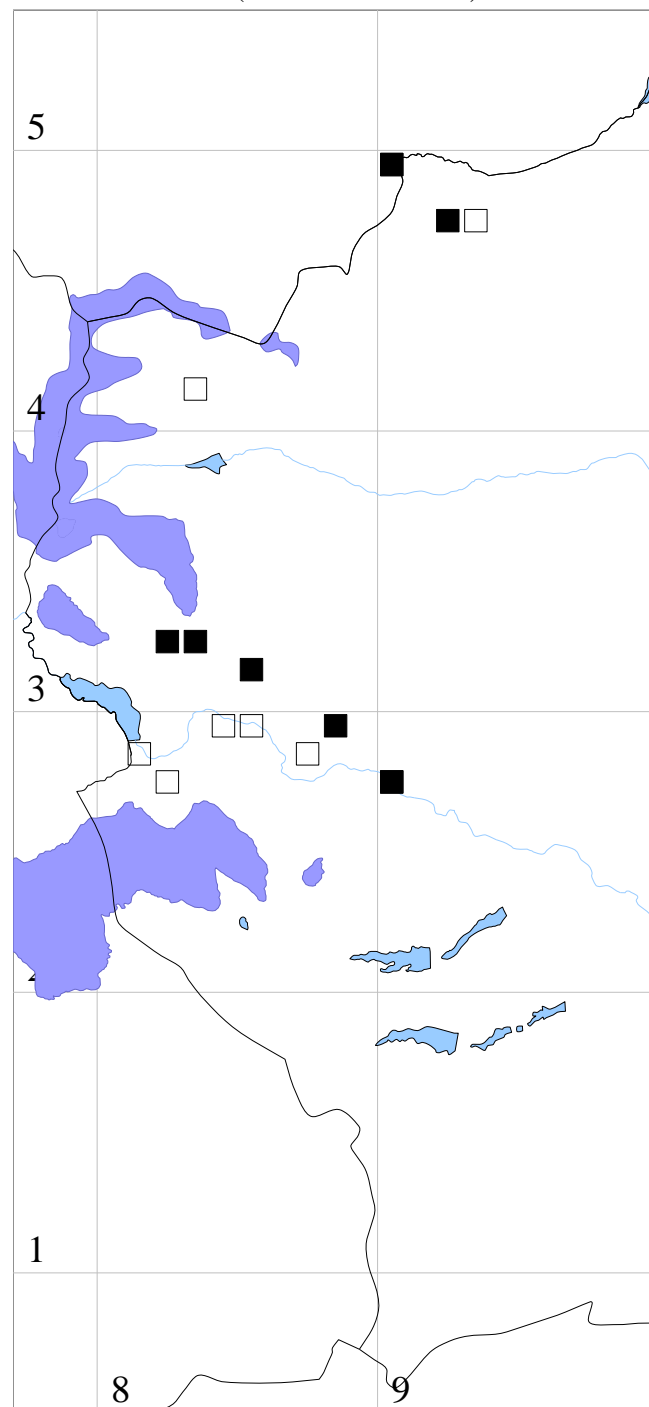
***Pseudorchis albida***  
**Small White Orchid**

National Status      Vulnerable  
County Status        Rare

In upland meadows and on moorland turf.  
Formerly plentiful in the Tees meadows  
between Langdon Beck and High Force.  
Formerly also recorded from upper Weardale  
and still present in the upper Derwent Valley.

1974	NY843297	Cetry Bank	Elkington, T.T.
21/07/86	NY830414	Cowshill	Stevenson, KR
1975	NY842294	Cronkley Bridge	Dunn, T.C.
16/07/93	NY883298	Ettersgill	GGG
2009	NY82923278	Harwood	Natural England
	NY82983268		
10/07/95	NY830325	Lingy Hill	Lowes, M.
13/06/08	NY909273	Meadow by River Tees	John O'Reilly
2009	NY853308	Langdon Beck	Natural England
Jun-95	NY9247	Nookton	Loring, J.

Pseudorchis albida (Small-white Orchid)



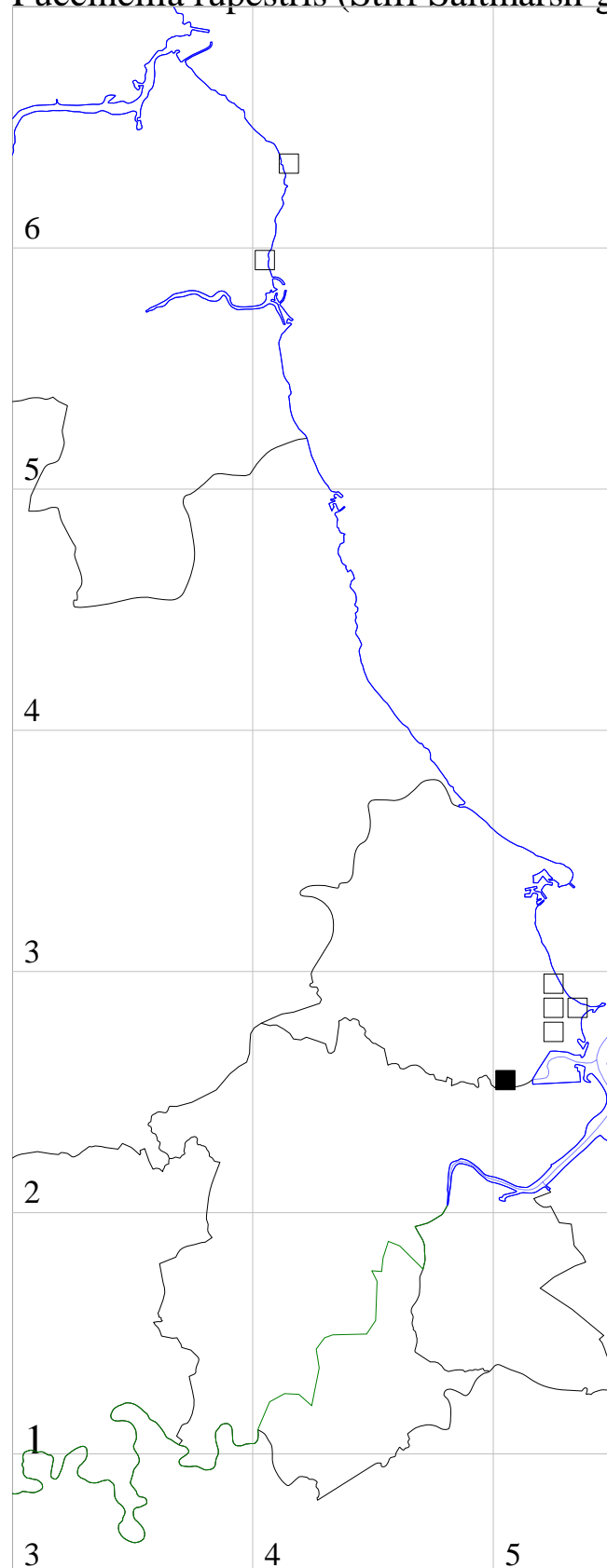
## ***Puccinellia rupestris* Stiff Saltmarsh Grass**

National Status      Scarce  
County Status      Rare

Open sandy ground near the coast.

30 Jul 1987	NZ527291	Seaton Carew, path SE of.	Appleyard, P.R.
05 Aug 1988	NZ525288	Seaton Carew.	Burnip, M. & Peacock, H.
30 Aug 1978	NZ532283	Seaton Sands	GGG
1994	NZ505252	Cowpen Marsh	Unknown
1969	NZ522275	Seaton Carew	Silverside, Dr A.J.

## ***Puccinellia rupestris* (Stiff Saltmarsh-g**



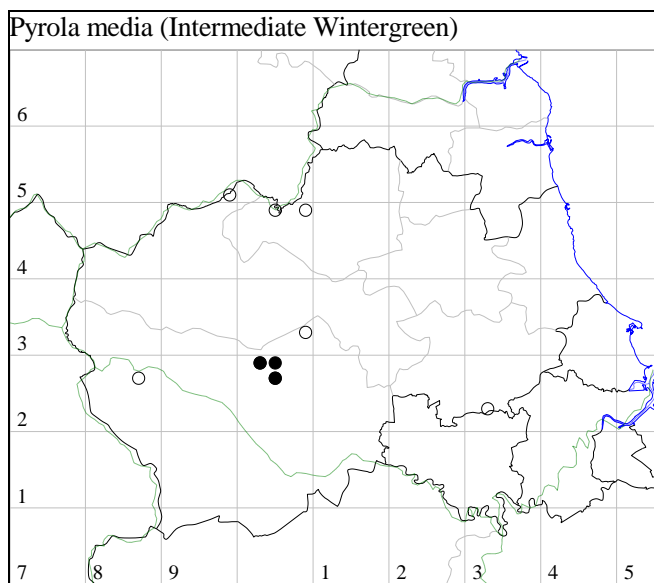


***Pyrola media* Intermediate Wintergreen**

National Status Vulnerable  
County Status Rare

All of the recent records are from a cluster of sites in Hamsterley Forest.

16-Jul-94	NZ037294	Euden Beck	GGG
Feb-92	NZ041268	Hamsterley Forest LWS 6.25 Spurlwood Beck	Valerie Standen
Feb-92	NZ050293	Hamsterley Forest LWS 6.25	Valerie Standen
Feb-92	NZ053277	Hamsterley Forest LWS 6.25	Valerie Standen
Feb-92	NZ057293	Hamsterley Forest LWS 6.25	Valerie Standen



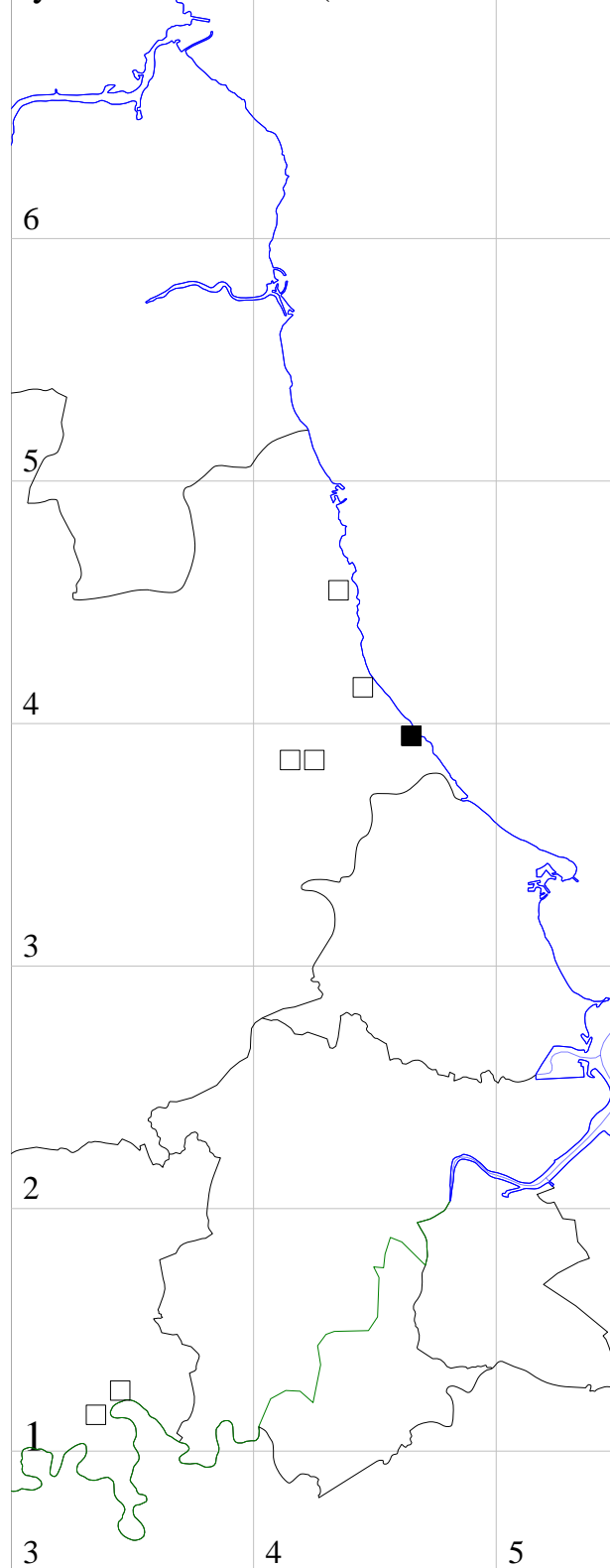
***Pyrola rotundifolia rotundifolia* Round-leaved Wintergreen**

National Status Near Threatened  
County Status Rare

Rare, all of the records are from Castle Eden Dene and the nearby coast. Some older inland records may have been of other species of *Pyrola*.

1971	NZ465396	Blackhall Rocks	Winham, J.
28/05/03	NZ465395	Blue House Gill	A & G Young
1979	NZ414383	Castle Eden Dene	GGG
16-Jul-79	NZ414388	Castle Eden Dene	Blakemore J.
10/03/79	NZ423388	Castle Eden Dene	Blakemore J.
06/01/71	NZ449417	Durham Coast	Wheeler, BD

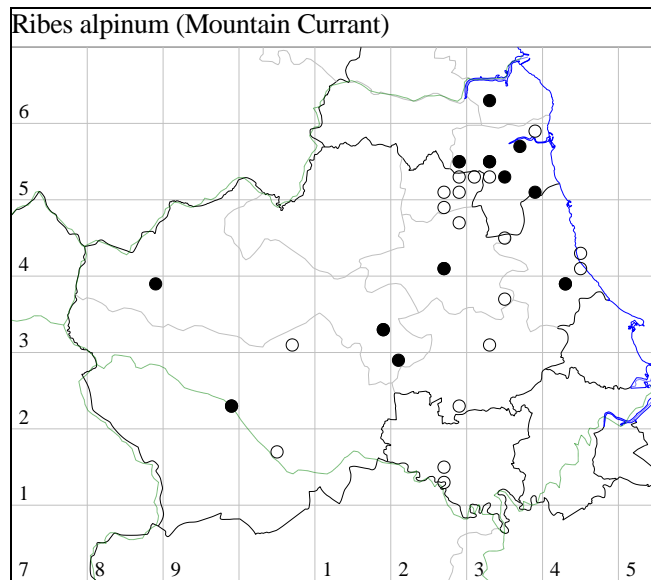
***Pyrola rotundifolia* (Round-leaved Win**



***Ribes alpinum*****Alpine Currant**

National Status      Scarce  
 County Status      Scarce, probably hortal

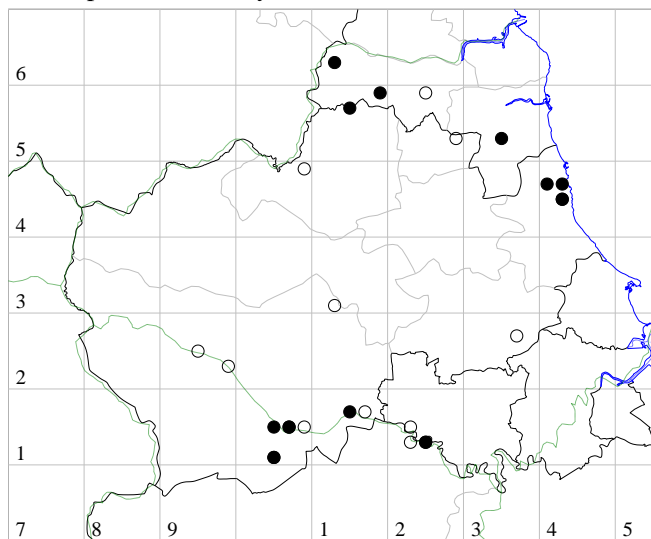
A strong component of the understorey at Penshaw Wood and parts of Castle Eden Dene, probably hortal, though possibly native at some sites. Scarce Plants in Britain shows it as native along the Tees in NZ01 and NZ21; the New Atlas shows these sites as hortal.

***Ribes spicatum*****Downy Currant**

National Status      Scarce  
 County Status      Scarce

By woodland streams on limestone and on calcareous coal shale, mainly along the River Tees and the River Derwent. It maybe more frequent than the map shows, as there has been confusion with *Ribes rubrum*.

Ribes spicatum (Downy Currant)



01/05/00	NZ1457	Chopwell Craggs	J L Durkin
30/04/77	NZ139306	Crakehill Bank	Burnip, M.
07-Sep-07	NZ406477	Dawdon Dene B1287 to A19	John Liam Durkin
04/06/80	NY982237	Eggleston	GGG
Jul-80	NY982238	Eggleston	GGG
03-May-91	NZ064150	Egglestone Abbey	Sykes, M.
1972	NZ0614	Egglestone	Sykes, M.
	NZ066150	Abbey Bridge	
11/10/05	NZ1859	Gibside, Viaduct Wood	John Liam Durkin
15/06/11	NZ43255	Hawthorn Dene (and several other locations along streambank)	J L Durkin
	45610		
	NZ43313		
	45648		
	NZ43695		
	45922		
27/04/01	NZ435459	Hawthorn Dene	J L Durkin
08/05/98	NZ151171	Winston	DTNFC
May-92	NZ3452	Herrington Hill & Woods	White, A.
30/04/70	NZ224154	High Coniscliffe	Burnip, M.
10/05/91	NZ246134	Low Coniscliffe	Burnip, M.
15/06/83	NY943253	Middleton in Teesdale	Burnip, Mrs M.
13/05/92	NZ049111	Mill Wood, Brignall	N Sykes
14/05/81	NZ377261	New Homer Carr Plantation	Graham, Rev G G.
21/05/77	NZ241589	Ravensworth	GGG
30/03/92	NZ3453	Foxcover Ptn	GGG
27/06/73	NZ093146	Sledwich Hall	Moses, P.
Sep-91	NZ0515	Teesbank Woods, Rokeby, LWS 6.38	Valerie Standen

***Ruppia maritima***  
**Beaked Tasselweed**

National Status      None  
County Status      Scarce, declining.

1993	NZ502246	Cowpen Marsh	Unknown
1989	NZ42X	Cowpen Marsh	McAndrew, R.T.
1994	NZ502248	Cowpen Marsh	Unknown
21/07/72	NZ515256	Greatham Creek	GGG
1973	NZ5026	Greenabella Marsh	McAndrew, R.T.
	NZ513230		
1974	NZ517258	Greenabella Marsh	McAndrew, R.T.
	NZ521264		
2009	NZ5125	Greenabella Marsh	Ian Bond
1976	NZ520233	Reclamation Pond	McAndrew, R.T.
1973	NZ516230	Seal Sands	McAndrew, R.T.

***Ruppia cirrhosa***      **Spiral Tasselweed**

National Status      Near Threatened  
County Status      Extinct

“Very rare in saltmarsh pools at Greatham Creek” 1917 Professor J W H Harrison. This is possibly a doubtful record.

***Sagina maritima***  
**Sea Pearlwort**

National Status      None  
County Status      Scarce, declining.

16/05/97	NZ4836	Crimdon Dene	McCutcheon DE
19/05/97	NZ53	Hartlepool	McCutcheon DE
30/07/76	NZ413575	Hendon South Docks	Hall, Mr D.
08/05/97	NZ425505	Seaham Hall	McCutcheon, D.E.
08/08/76	NZ431497	Seaham Harbour	Hall, Mr D.
19/05/97	NZ52	Seaton Carew	McCutcheon DE
Jul-97	NZ36	South Shields	McCutcheon DE
1997	NZ412633	Whitburn	McCutcheon DE

***Salicornia dolichostachya***  
**Long-spiked Glasswort**

National Status      None  
County Status      Scarce, declining, or possibly now more correctly recorded as other species.

1988	NZ3557	Baron's Quay	Mitchell, D.N.
1989	NZ42X	Cowpen Marsh	McAndrew RT
1974	NZ4925	Greatham	McAndrew RT
24-Sep-77	NZ494267	Greatham	McAndrew RT
05-Oct-81	NZ504258	Greatham Creek	GGG
	NZ507257		
	NZ508257		
08/08/94	NZ5026	Greenabella Marsh	Lowe, C.J.
1988	NZ3758	Timber Beach	Mitchell, D.N.
Oct-89	NZ368582	Timber Beach	Coles, Alec

***Salicornia fragilis***  
**Long-spiked Glasswort**

National Status      None  
County Status        Rare

2009	NZ5226	Seal Sands	Jones, Vincent
------	--------	------------	----------------

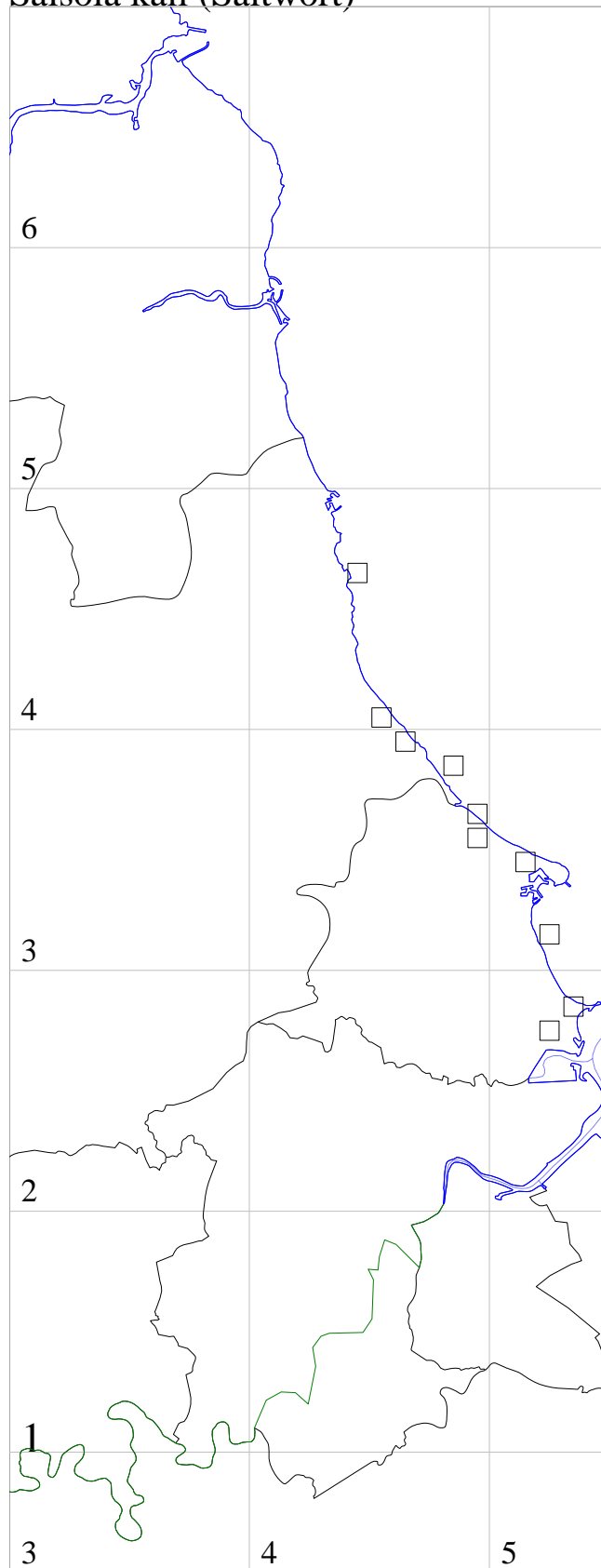
***Salsola kali***                      **Saltwort**

National Status      Vulnerable  
County Status        Declining

Formerley quite frequent along parts of the coast, but few recent records.

07 Aug 73	NZ4639	Blackhall Rocks	Burnip, Mrs M.
1974	NZ522310	Carr House Sidings	McAndrew, R.T
1980	NZ44K	Castle Eden Dene Mouth	GGG
25/06/70	NZ4936	Crimdon Dene	GGG
1973	NZ53C	Hartlepool North Sands	McAndrew, R.T
1975	NZ498358	Hartlepool North Sands	McAndrew, R.T
Sep 1972	NZ487386	Hartlepool Golf Course	Appleyard, P.R.
Sep 1972	NZ4936	Hartlepool Golf Course	Appleyard, P.R.
1973	NZ5134	Hartlepool Slake	GGG
1973	NZ4446	Hawthorn Hive	McAndrew, R.T
15/08/72	NZ5227	North Gare Breakwater	GGG
1973	NZ52P	North Gare Sands	McAndrew, R.T
1973	NZ536284	Seaton Carew	GGG

***Salsola kali* (Saltwort)**



Salvia verbenacea

Wild Clary

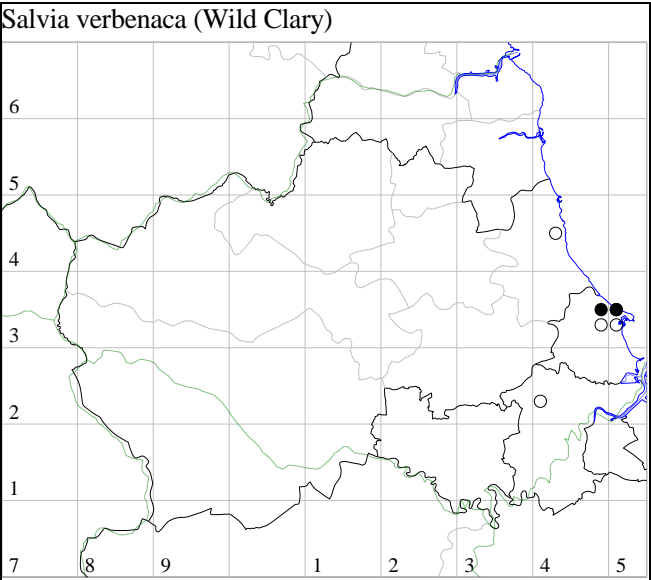
National Status

County Status

None

Rare

04 Jul 1997	NZ498359	Hartlepool North Sands	Lowe, Dr C.
04 Jul 1997	NZ5035	Hartlepool North Sands	Mcandrew, Mr R.T.
07 Jul 1971	NZ502352	Hartlepool Slake	Graham Et Al, Rev G.G.
31/05/06	NZ53C	Hartlepool, Old Cemetery	Cleveland Naturalists Field Club
Jun 1991	NZ502352	Horseshoe Tunnel	Appleyard, Miss P.R.



***Saxifraga hirculus* Marsh Saxifrage**

National Status      Vulnerable  
County Status        Rare

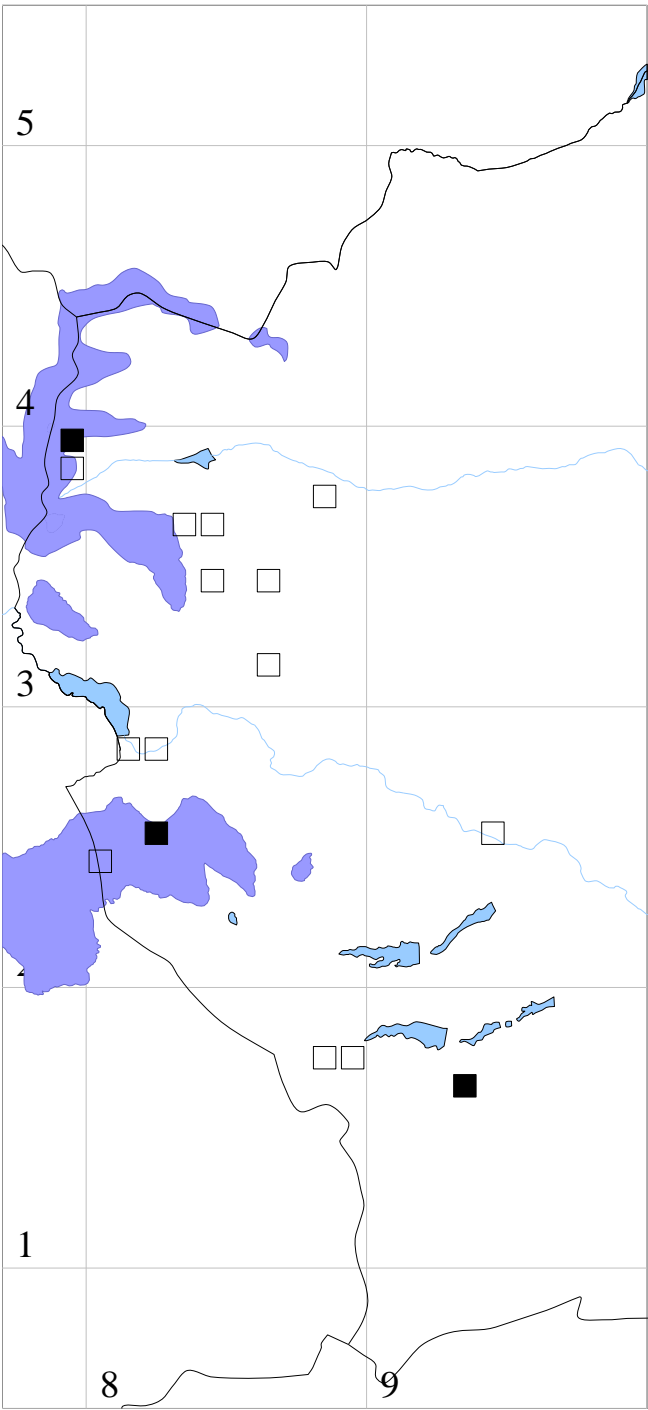
Rare in base-rich flushes in the uplands.

		Cotherstone Moor	Horsfield D Graham K Webb M
1992	NY9316		
19-Aug-80	NY793383	Dead Stones	GGG
1985	NY791387	Sallygrain Head	Horsfield D
01-Aug-00	NY794390	Sallygrain Head	Schober, M
15-Jul-27	NY8634	St Johns Chapel	Lousley J.E.
1986	NY8024	Mickle Fell	Findlay, I.
1994	NY820250	Mickle Fell	Findlay, I.



Photographed in County Durham  
by UKWildflowers.com

*Saxifraga hirculus* (Marsh Saxifrage)



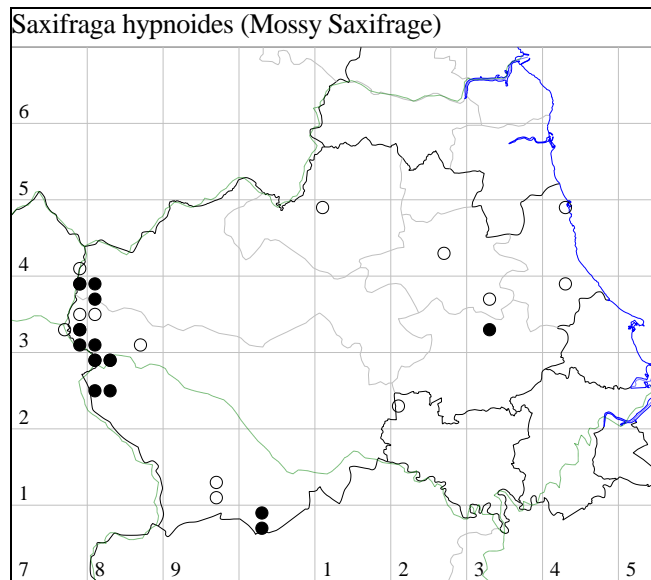


## ***Saxifraga hypnoides* Mossy Saxifrage**

National Status Vulnerable  
County Status Rare

Flushed upland grassland and shaded rocks at 450 to 600 metres. There are also lowland records, mostly old.

Aug 08	NY795318	Dubby Sike	J L Durkin
Aug 08	NY780344	Crook Burn	J L Durkin
06/09/80	NY790390	Col N of Burnhope Head	GGG
04/08/75	NY773336	Crookburn Foot	GGG
24/06/78	NY781338	Holden-hurth Band	Burnip, M
12/09/77	NY793385	Dead Stones	Wiggington, MJ
06/09/80	NY790381	Burnhope Head	GGG
01/08/00	NY794390	Sallygrain Head	Schober. M
14/09/78	NY799404	Nags Head	Wiggington, MJ
29/04/08	NY801390	Sally Grain	Andy Mclay
1990	NY8024	Mickle Fell top	English Nature
	NY8124		
	NY8224		
11-Jul-98	NY8128	Falcon Clints	J L Durkin
06/05/06	NY813369	Great Stony Hill	Robson, Craig
Jul-05	NY8228	Falcon Clints	J L Durkin
Aug 08	NY8031	Cow Green	J L Durkin
1986	NY9612	Sleight-holme Beck Gorge SSSI	English Nature
23/08/11	NY96580 11908	Sleight-holme Beck Gorge SSSI	David Clarke
1991	NZ033076	The Stang, Hope Scar, LWS 6.6	Moira J. Owen
1991	NZ037081	The Stang, Hud Scar, LWS 6.6	Moira J. Owen
1973	NZ325362	Coxhoe	Thompson K
09-Jul-00	NZ3332	Bishop Middleham Quarry area	Tom Spowart
30/03/80	NZ427497	Seaham	Burnip, M.



## ***Scandix pecten-veneris* Shepherd's Needle**

National Status Critically Endangered  
County Status Extinct

A cornfield weed in the 19<sup>th</sup> century, not seen since 1982.

1982	NZ3442	Sherburn Hill	GGG
------	--------	---------------	-----

## ***Scleranthus annuus***      Annual Knawel

National Status      Endangered  
County Status      Rare

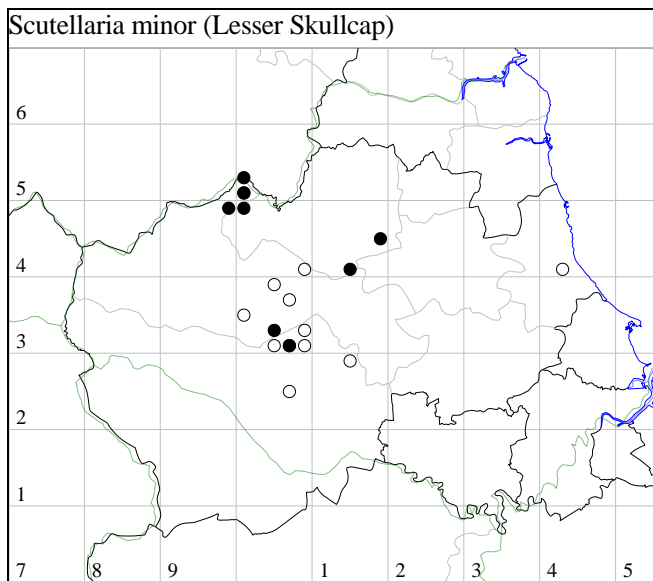
Very rare in Durham, on sandy soils. There is only one modern site.

Jul-77	NZ103492	Howns Gill	Taylor P.
08/10/10	NZ16446344	Path Head Quarry	J L Durkin
	NZ16436343		
	NZ16616348		
23/05/04	NZ166636	Path Head Quarry	McLay A

**Conservation-** Path Head Quarry is a Gateshead Council Local Wildlife Site.

## ***Scutellaria minor*** Lesser Skullcap

National Status      None  
County Status      Scarce



15/09/89	NZ02S	Arn Gill Wood	Humphries BM
26/08/78	NZ058315	Ayhope Beck	Burnip, M.
13/08/72	NZ439401	Castle Eden Dene	Thompson, Dr I.
21/06/11	NY999483	Feldon Burn	A McLay
1989	NZ0630	Frog Bog Wood SSSI	English Nature
Feb-92	NZ069303	Hamsterley Forest CWS 6.25	Valerie Standen
12/07/10	NZ007486	Harehope Burn	A McLay

05/08/90	NZ147412	Hedleyhope Fell	GGG
1974	NZ1529	Lodge Wood	Way, J M
10/08/05	NZ1845	Malton Nature Reserve	A & G Young
03/07/11	NZ044328	North Grain Beck	A McLay
15-Jul-97	NZ007485	NZ007485	McCutcheon D.E.
30-Jul-08	NZ0151	Pow Hill Heath	Andy Mclay
12/09/77	NZ009509	Pow Hill Bog	Ballantyne G.H.
	NZ010515		
	NZ012516		
1986	NZ009517	Pow Hill SSSI	English Nature
02/08/86	NZ069304	Bedburn Beck	Graham, Rev G.G.
1983	NZ043393	Thornhope Beck	McCutcheon, D.E.
26/09/78	NZ089410	Wolsingham North Moor	Burnip, M.

## ***Seriphidium maritima*** Sea Wormwood

National Status      None  
County Status      Scarce, declining.

1989	NZ42X	Cowpen Marsh	McAndrew R.T.
24/05/00	NZ5024	Cowpen Marsh	A & G Young
1976	NZ5123	Dorman's Pool	McAndrew, R.T.
1973	NZ4924	Greatham	McAndrew R.T.
1973	NZ494269	Greatham	McAndrew R.T.
05-Oct-81	NZ504258	Greatham Creek	GGG
21-Jul-72	NZ515256	Greatham Creek	GGG
2009	NZ5125	Greatham Creek	Ian Bond
	NZ5025		
1973	NZ5327	Greatham Creek	McAndrew R.T.
1974	NZ493267	Greatham Salt Pasture	McAndrew R.T.
1973	NZ503262	Greenabella Marsh	McAndrew R.T.
2009	NZ5026	Greenabella Marsh	Ian Bond

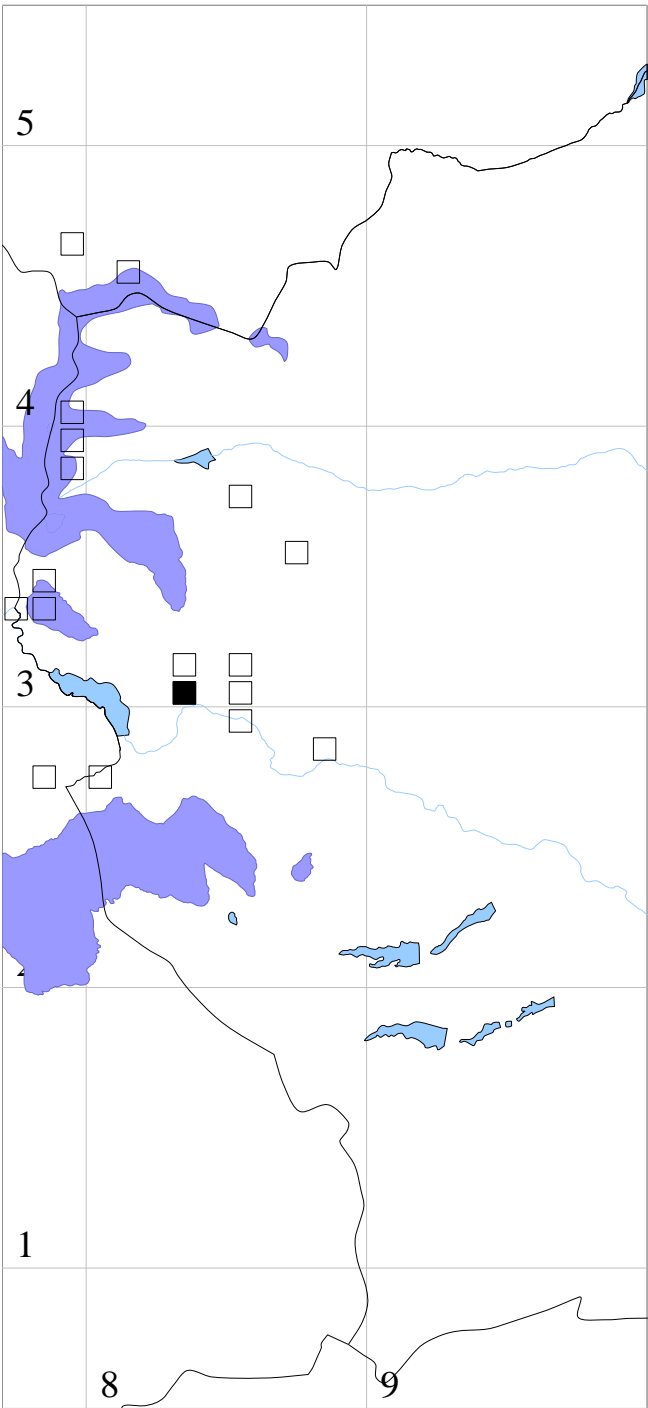
**Sedum villosum    Hairy Stonecrop**

National Status        Near threatened  
County Status        Declining, possibly  
                              extinct.

There are a number of records from upper  
Weardale and Teesdale, but none are recent.

06 Sep 80	NY7938	Burnhope Head	GGG
19 Aug 80	NY7938	Burnhope Seat	GGG
06 Sep 80	NY73Z	Col north of Burnhope Head	GGG
08 Aug 80	NY778336	Crookburn Foot	Burnip, M.
19 Aug 80	NY793383	Dead Stones	GGG
1972	NY7834	Harwood Common	Proctor, Rev H.G.
24 Jun 78	NY781339	Holdenhurth Band	Burnip, M.
03 Aug 69	NY855303	Knott Hill	Bradshaw, Dr M.E.
14 Sep 78	NY799404	Nag's Head	Wiggington, M.J.
06 Jul 76	NY832311	Peghorn Lodge	Bradshaw, Dr M.E.
1979	NY835306	Peghorn Lodge	Sykes, M.
06 Sep 80	NY794390	Sallygrain Head	GGG
1968	NY8529	Wheysike	Elkington, Dr T.T.
27 Jul 96	NY8330	Widdybank Pasture	McCutcheon, D.E.

Sedum villosum (Hairy Stonecrop)

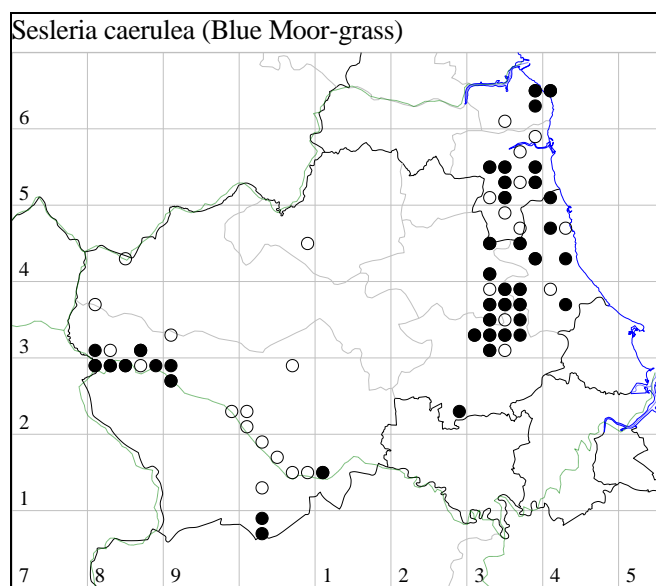


***Sesleria caerulea*****Blue Moor Grass**

National Status      Scarce  
 County Status      Found in 69 tetrads.

Frequent both on the carboniferous limestone of Teesdale and on the magnesian limestone of lowland Durham.

County Durham has a significant proportion of the national distribution of this species.

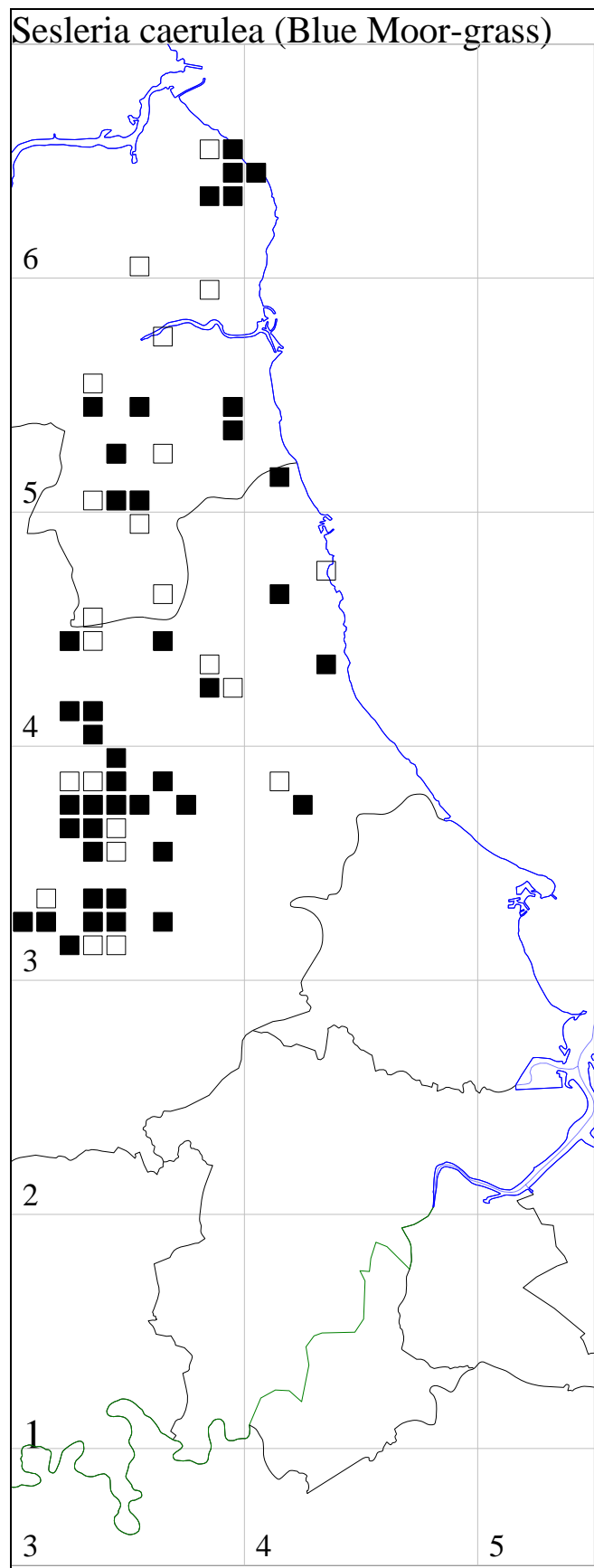


14-Jun-05	NZ3638	A181 at Wheatley Hill bypass, north side	John Durkin and Julie Stobbs
15-Jun-05	NZ345396	A181, Signing Bank, central reservation	M Appleby, P Hannaby, A Lees, J Stobbs
15-Jun-05	NZ342398	A181, Signing Bank, north verge.	Julie Stobbs and Paul Hannaby
Jul-91	NZ281220	Aycliffe Quarry CWS 7.12	Valerie Standen
13-Jun-06	NZ412464	B1432 opp Richardson's Garden Centre, east verge	John Durkin and Julie Stobbs
09-Jul-00	NZ3231	Bishop Middleham	Spowart, Mr T.J.
29/05/11	NZ330325	Bishop Middleham Quarry SSSI	John Liam Durkin
	NZ330326		
	NZ330327		
	NZ331325		
	NZ331326		
	NZ331327		
	NZ331328		
	NZ332324		
	NZ332325		
	NZ332326		
	NZ332327		
29/05/11	NZ330325	Bishop Middleham, east verge alongside reserve.	John Durkin
15/07/10	NZ341383	Cassop Quarry	A McLay
29-Apr-07	NZ340383	Cassop Vale	DTNFC
15/07/10	NZ336383	Cassop Vale	A McLay
29/05/11	NZ339382	Cassop Vale SSSI	John Liam Durkin
	NZ343383		
05-Aug-70	NZ413388	Castle Eden	GGG
1984	NZ412387	Castle Eden Dene NNR	English Nature
Jun-76	NZ362573	Claxheugh Rock	Graham, Rev G.G.
1988	NZ3657	Claxheugh Rock & Ford Limestone Quarry SSSI	Mitchell, Mr D.N.

25-Apr-06	NZ412463	Cold Hesledon, east verge limestone exposure.	John Durkin and Julie Stobbs
22-Aug-76	NZ354495	Copt Hill	Hall, D.
Jun-78	NZ328369	Coxhoe	Davis, Dr B
21-Jun-05	NZ330365	Coxhoe Bank Top verge	J Durkin & J Stobbs
21-Jun-05	NZ324360	Coxhoe Quarry Wood verge	J Durkin and Julie Stobbs
08-Nov-06	NZ434436	Easington Colliery	Andy Mclay
May-98	NZ4237	Eden Vale	J Durkin
10-Sep-91	NZ362328	Elderberry Farm	GGG
1999	NZ302328	Ferryhill Cut CWS 7.3	J Stobbs & V Standen
1992	NZ3632	Fishburn Grassland SSSI	English Nature
1987	NZ3859	Fulwell and Carley Hill Quarries SSSI	English Nature
29-Jun-06	NZ339333	Garmonds-way Moor Quarry	Andy Mclay
Jul-91	NZ339334	Garmonds-way Moor Quarry CWS 7.13	Valerie Standen
Aug-94	NZ340339	Garmonds-way Triangle CWS 7.30	Graham, G.G.
25-Jul-76	NZ339507	Grasswell	Hall, D.
23/06/10	NZ3965	Harton Downhill	Julia Quinonez
21-Aug-80	NZ389656	Harton Down Hill SSSI	Graham, Rev G G.
08-Jul-09	NZ355545	Hastings Hill	J L Durkin
08-Jul-09	NZ353544	Hastings Hill	J L Durkin
05-Aug-76	NZ346525	Herrington Hill	Weston, TJ
1983	NZ3652	Herrington Hill SSSI	English Nature
29-May-88	NZ334456	High Moorsley quarry	Coles, A.
06-Aug-80	NZ344505	Houghton Cut	GGG
1976	NZ347504	Houghton Cut	Stevenson CR
25-Jul-06	NZ343504	Houghton Hill	Andy Mclay
01-Jul-09	NZ3450	Houghton	McLay, A
01-Jul-09	NZ3550	Houghton	McLay, A

Sep-99	NZ391659	Man Haven	Owen, MJ
14 Jul 2010	NZ3964	Marsden Hall Quarry	John O'Reilly
12-Jun-08	NZ395645	Marsden Hall Quarry	A & G Young
28/06/10	NZ4064	Marsden Lime Kilns	Julia Quinonez
11-Sep-80	NZ345319	Merry Knowle Quarry CWS 7.5	Graham, Rev G G.
Jul-91	NZ345320	Merry Knowle Quarry CWS 7.5	Valerie Standen
22/06/10	NZ334543	Penshaw Hill	McLay, A
Aug-75	NZ339551	Penshaw Hill	GGG
Jul-98	NZ365445	Pig Hill SSSI	Coles, A.
1992	NZ365444	Pig Hill SSSI	English Nature
20-Jun-92	NZ3244	Pittington	Boyce, R.
2005	NZ3237	Old Quarrington	E3
1968	NZ327386 NZ330378	Quarrington Hill	Graham, Rev G G.
02-Aug-06	NZ331376	Quarrington Hill and Coxhoe Bank Plantation	Andy Mclay
01/07/10	NZ332373 NZ341375	Quarrington Hill Grasslands SSSI	D Mitchell
11-Aug-09	NZ335355	Raisby Hill Grassland SSSI	John Liam Durkin
18-May-80	NZ329386	Red Briar Bank, Quarrington Hill	GGG
11-Aug-09	NZ318324	Rough Furze Quarry CWS 7.27	J L Durkin
22-Aug-06	NZ334403	Running Waters Quarry	Andy Mclay
2010	NZ419519	Ryhope Denemouth	J L Durkin
18-Aug-92	NZ413465	Seaham	GGG
13-Jun-98	NZ328418	Sherburn Hill	Coles, A.
11-Sep-07	NZ326418	Sherburn Hill, west	John Liam Durkin
27-Jun-73	NZ0915	Sledwich Hall	Moses, P
26-Apr-06	NZ3872 6382	South Shields Golf Course	J Durkin & Julie Stobbs
18-Aug-05	NZ3960 6377	South Shields Golf Course	HS/FC for E3 Ecology

01-May-73	NZ366465	Easington Lane	Silverside Dr A.J.
14/05/77	NZ389432	Tuthill Quarry	Stevenson, C R
Sep-73	NZ4347	Noses Point	Hall, Mr D.
1988	NZ3032	The Carrs SSSI	English Nature
14/06/06	NZ310326	Thrislington	G Young
1968	NZ317328	Thrislington	GGG
10-Jul-80	NZ318327	Thrislington	GGG
28-Jun-80	NZ318330	Thrislington	Graham, Rev G.G.
	NZ319329		
	NZ319331		
10-Jun-07	NZ3132	Thrislington	A & G Young
12-Aug-09	NZ3537	Town Kelloe Bank SSSI	Hunter, Amanda
1992	NZ3635	Trimdon Limestone Quarry SSSI	English Nature
1992	NZ395538	Tunstall Cutting	Graham, Rev G.G.
10-Jul-99	NZ392546	Tunstall Hills	Coles, A.
1999	NZ392541	Tunstall Hills	Boyce, R.
1973	NZ391546	Tunstall Hills	Hall, D.
1994	NZ388429	Tuthill Quarry SSSI	English Nature
1968	NZ362382	The Bottoms	Shimwell, D W
08-Sep-05	NZ40116441	Whitburn Golf Course	HS/FC for E3 Ecology
19-Jun-04	NZ3737	Wingate Quarry	A & G Young





## Dales sites

30-Jun-06	NY8429	Cetry Bank	Wood, D& Woods, M
05-Jun-76	NZ0318	Cotherstone	Burnip M
02-Jul-06	NY8328	Cronkley Fell	J & C O'Reilly
18-Oct-68	NY985236	Eggleston	Burnip M
1972	NZ0614	Eggleston Abbey	Sykes, M.
1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
22-Jun-72	NZ0417	Flatts Wood	Burnip, M
29-Jul-80	NZ003218	Great Wood	GGG
21/05/77	NZ003222	Great Wood	GGG
06-Sep-78	NY8036	Green Scar	Proctor HG
30-Jun-06	NY8828	High Force	Wood, D & Woods, M
22-Jul-77	NY868311	High Hurth Edge	Burnip M
1986	NZ0213	Kilmond Scar	English Nature
	NZ0313	SSSI	
19-Jun-03	NY8631	Langdon Beck	Schober, M
21/05/77	NZ004213	Low Shipley	GGG
29-Jul-80	NZ003218	Great Wood	GGG
21-May-08	NY8166 2943	Red Sike	A & G Young
03-Jun-77	NY8331	River Tees	Burnip M
21-Jun-05	NY903280	Winch Bridge	Wild Flower Society
21-May-08	NY8150 3042	Slapestone Sike	A & G Young
1991	NZ033076	The Stang, Hope Scar, CWS 6.6	Moir J. Owen
1991	NZ037081	The Stang, Hud Scar, CWS 6.6	Moir J. Owen
10-Apr-93	NZ111145	Whorlton	GGG
1976	NY8330	Widdybank Pasture	GGG
2010		Winch Bridge Crags	J L Durkin
28-May-06	NY904270	Winch Bridge	J O'Reilly



***Silene noctiflora***  
**Night Flowering Catchfly**

National Status      Vulnerable  
County Status        Extinct

Formerly frequent in the east of the county, the only modern records are from wild flower meadow seed mixes.

***Sison amomum***

**Stone Parsley**

National Status      None  
County Status        Rare

1999	Cleadon Hills	NZ3863	Boyce, Mr R.
------	---------------	--------	--------------

***Silene uniflora***                      **Sea Campion**

National Status      None  
County Status        Rare

Aug 2005	NZ3964	Marsden (Old Hall) Quarry, LNR	E3
2009	NZ4935	Hart Warren Railway Embankment	Martin Allen

***Sium latifolium***                      **Greater Water-parsnip**

National Status      Endangered  
County Status        Extinct

Recorded from a pond near Friar's Goose, in Gateshead, in the Winch (1805) and Baker and Tate (1867) Floras, but never subsequently. There is a Winch specimen in the Great North Museum.

No recent records

***Sorbus rupicola*****Rock Whitebeam**

National Status      Scarce  
County Status      Scarce

In upper Teesdale, mainly on vertical crags in the gorge of the Tees downstream of High Force. Most are shrub sized, with the largest trees at the main vc65 site, Holwick Scar. Total population about 70 plants.

High Force, below waterfall, south side (vc65). This is the main site on the vc65 side of the Tees, with 20 plus plants, including the largest trees. Access here is very difficult. Identification material was sampled from the top of the cliff, and the rough count done with binoculars from the Durham side of the river. There are also *Sorbus aria* here.

High Force, below waterfall, north side near High Force Hotel (vc66), one shrub, seen with binoculars.

Dine Holm Scar, above High Force, one tree  
2007 Dr Margaret Bradshaw

Crags below Winch Bridge. This is the main site on the vc66 side, with 40 plants. Access to the trees here is feasible when the river is low. They can also be viewed from the vc65 side of the river. There is a single, much larger tree on the south side.

One shrub by the south bank of the Tees just above Winch Bridge.

There is a single planted tree just north of the Bowlees Visitor Centre.

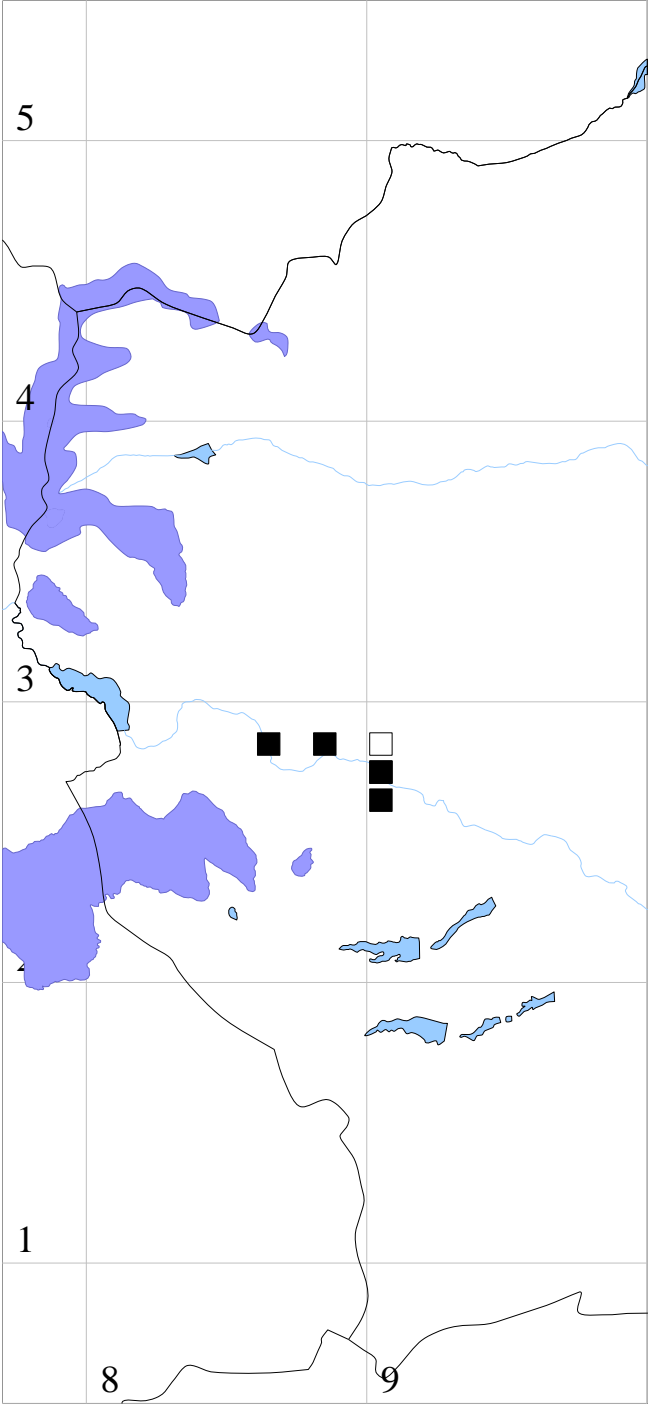
Holwick Scars vc65. Six trees on the upper part of the scars, access here is very difficult. Identification material was sampled from the top of the cliff, and the count done with binoculars from below. These trees have more apiculate leaves than the Rock Whitebeams elsewhere in Teesdale.

Aug-07	NY88102840	High Force, south side of river	John Durkin
	NY88002836		
Aug-07	NY88502857	River Tees banks, High Force	John Durkin
01/09/07	NY90202693	Holwick Scars	John Durkin
	NY90582671		
	NY90272692		
17/08/11	NY9000227035	Holwick Scars	Lucy Hollingworth
08/10/09	NY9032827942	Low Force	S Hedley
13/10/10	NY906276	Winch Bridge Crags, south side	John Durkin
2007	NY8628	Dine Holm Scar	M Bradshaw
13/10/10	NY90572762	Winch Bridge, south side	John Durkin
13/10/10	NY90702765	Winch Bridge Crags (west limit)	John Durkin
13/10/10	NY90812748	Winch Bridge Crags (east limit)	John Durkin
13/10/10	NY90822822	Bowlees Visitor Centre	John Durkin



Rock Whitebeams, vc65 below High Force.

Sorbus rupicola (Rock Whitebeam)



Rock Whitebeam habitat, VC65 on the left, below High Force.



Holwick Scar (Lucy Hollingworth).

***Sparganium angustifolium***  
**Greater Chickweed**

National Status      None  
County Status        Rare

23/07/06	NZ03V	Hamsterley Forest	DTNFC
2011	NY990347	Bollihope Common, reservoir near Juniper Banks	Shimwell, Dr D.W.

***Stellaria neglecta***  
**Greater Chickweed**

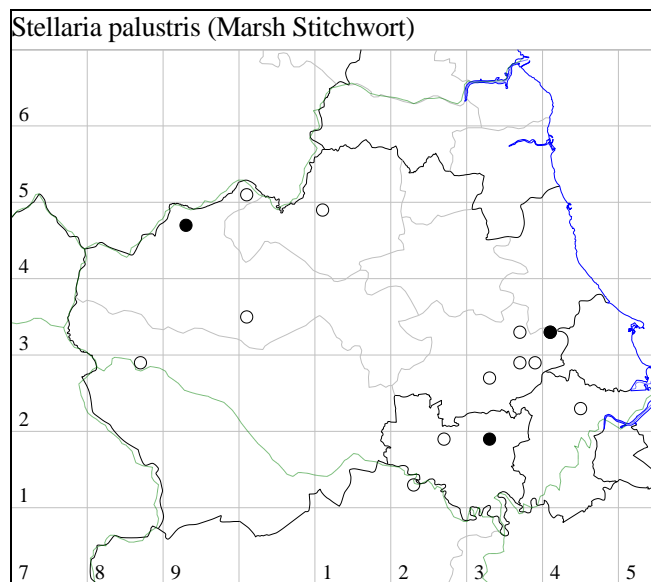
National Status      None  
County Status      Scarce, declining.

1974	NZ3709	Bowlhole Wood	Burnip, M.
1976	NZ242133	Low Coniscliffe	Wiggington M.J.
01/05/76	NZ373101	Low Middleton	Wiggington M.J.
26/09/70	NZ268163	Mount Pleasant	Worthington Miss H.
26/05/91	NZ390110	Newsham Wood	Bungard, Dr S.J.

***Stellaria palustris*** **Marsh Stitchwort**

National Status      Vulnerable  
County Status      Rare

Mainly in the River Skerne lowlands.



***Stellaria pallida***  
**Lesser Chickweed**

National Status      None  
County Status      Scarce, declining.

23/04/78	NZ495360	Hart Warren	McAndrew R.T.
02/06/83	NZ489364	Hart Warren	GGG
23/04/78	NZ498359	Hartlepool North Sands	McAndrew R.T.
23/04/76	NZ537273	North Gare Breakwater	Wiggington, M.J.
05/05/87	NZ536283	North Gare Breakwater, nr.	Appleyard, P.R.
10/05/87	NZ537284	North Gare Breakwater	McAndrew R.T.
12/05/78	NZ535283	Seaton Dunes	GGG
24/04/91	NZ528292	Seaton Golf Links	GGG
22/04/78	NZ535286	Seaton Sands	McAndrew R.T.

18 May 1971	NZ451232	Billingham Bottoms	Graham G.G.
21 Sep 1981	NZ277196	Coatham Grange Marsh	Graham, G.G.
1973	NZ371326	Fishburn Lake	McAndrew R.T.
16 Aug 1977	NZ112483	Knitsley Wood	Rodwell, Dr J.
08 Jun 1969	NZ238138	Low Coniscliffe	Burnip, Mrs M.
24 Aug 1991	NY9347	Nookton Burn	Graham, G.G.
2010	NZ3219	NZ3219	Bradshaw, Michael
1984	NZ415334	Pike Whin Bog SSSI	English Nature
1974	NZ414334	Pike Whin Moor	McAndrew R.T.
Jul 1999	NZ414333	Pike Whin Moor	Coles, Mr A.
16 Aug 1977	NZ009517	Pow Hill	Rodwell, Dr J.
Jun 1973	NZ381294	Redcar Carr	McAndrew R.T.
08 Jun 1974	NZ379296	Redcar Carr	Graham, G.G.
08 Jun 1974	NZ379295	Redcar Carrs	Wheeler, Dr B.D.
08 Jun 1974	NZ381294	Redcar Carrs	Wheeler, Dr B.D.
14 May 1981	NZ379294	Redcar Carrs	GGG



***Stratioides alloides*      Water Soldier**

National Status      Near Threatened  
County Status      Rare hortat

A rare hortat well established and flowering at Norwood Nature Park, in a pond created and planted for the Gateshead Garden Festival. Also established at Carter Moor, Eaglescliffe, and about 6 other sites.



***Teucrium chamaedrys*  
Wall Germander**

National Status      Rare  
County Status      Rare

Known since 1868 at Marsden Old Hall Quarry LWS.

30 Jun 2007	NZ39606450	Marsden Hall Quarry	A & G Young
14 Jul 2010	NZ396645	Marsden Hall Quarry	John O'Reilly



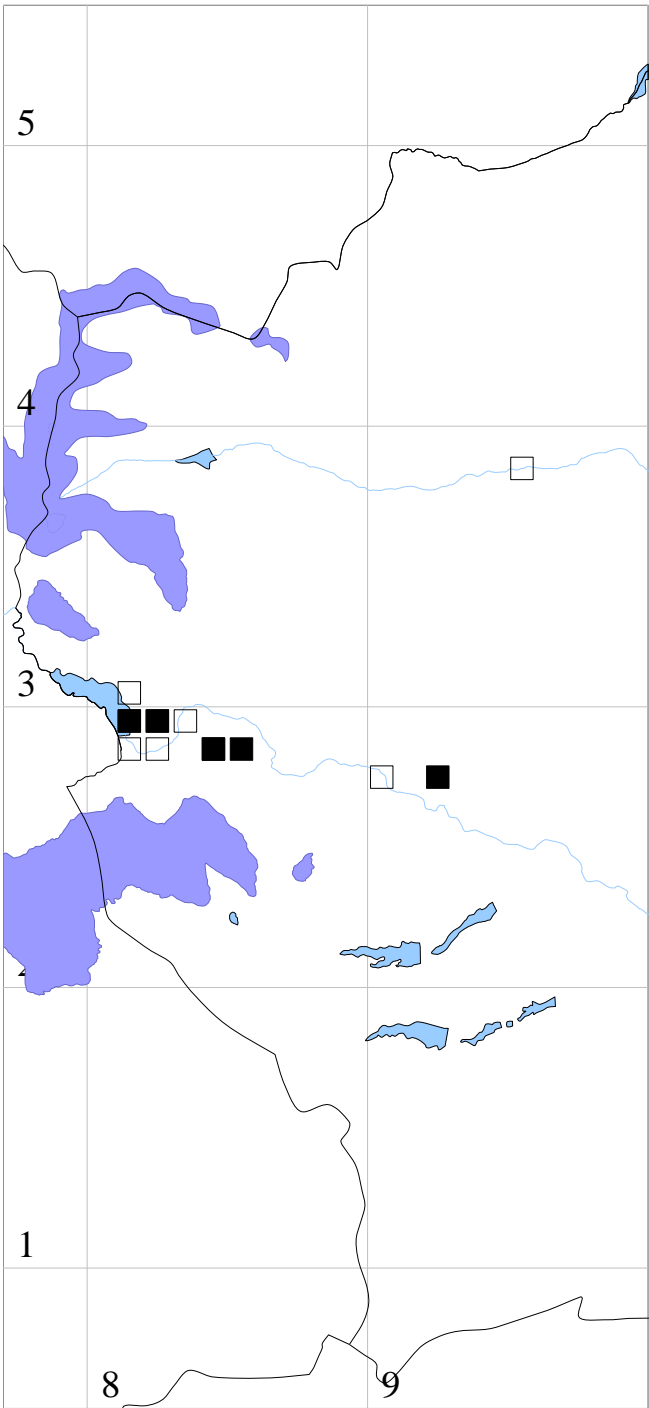
***Thalictrum alpinum***  
**Alpine Meadow Rue**

National Status      A "Scottish" species  
 County Status        Rare

Teesdale has a large proportion of the English distribution of this plant.

22/08/07	NY8176 2971	Cow Green exclosure	A & G Young
22/06/05	NY8528	Cronkley Fell	Wild Flower Society
02/07/06	NY82J	Cronkley Fell	J & C O'Reilly
18/06/06	NY8428	Cronkley Fell	CNFC
05/07/74	NY818282 NY820281	Falcon Clints	Gibbons, Dr R.B.
Jun-91	NY925274	Low Ravelin verge with lead spoil, CWS 6.01	Valerie Standen
09/06/91	NY8129	Widdybank Fell	Peacock, Miss H.
1977	NY8329	Widdybank Fell	Bradshaw Dr M.E.
1976	NY813294	Widdybank Fell	M Bradshaw & Alison Jones
	NY813295		
	NY813296		
	NY814294		
	NY814295		
	NY814296		
	NY815294		
	NY815295		
	NY815296		
	NY814299		
	NY815299		
	NY819290		
	NY818290		
	NY818291		
	NY816292		
	NY820288		
	NY820289		
	NY821288		
	NY821289		
	NY819289		
	NY818289		
15/09/09	NY824295	Above Wild Scar	M Schober

*Thalictrum alpinum* (Alpine Meadow-rue)



***Tilia platyphyllos***      **Large Leaved Lime**

National Status      Scarce  
 County Status        Scarce, planted

There are planted trees in a number of woodlands, for example at Rowlands Gill, Chester Dene, Ray Gill Wood and Hawthorn Dene.

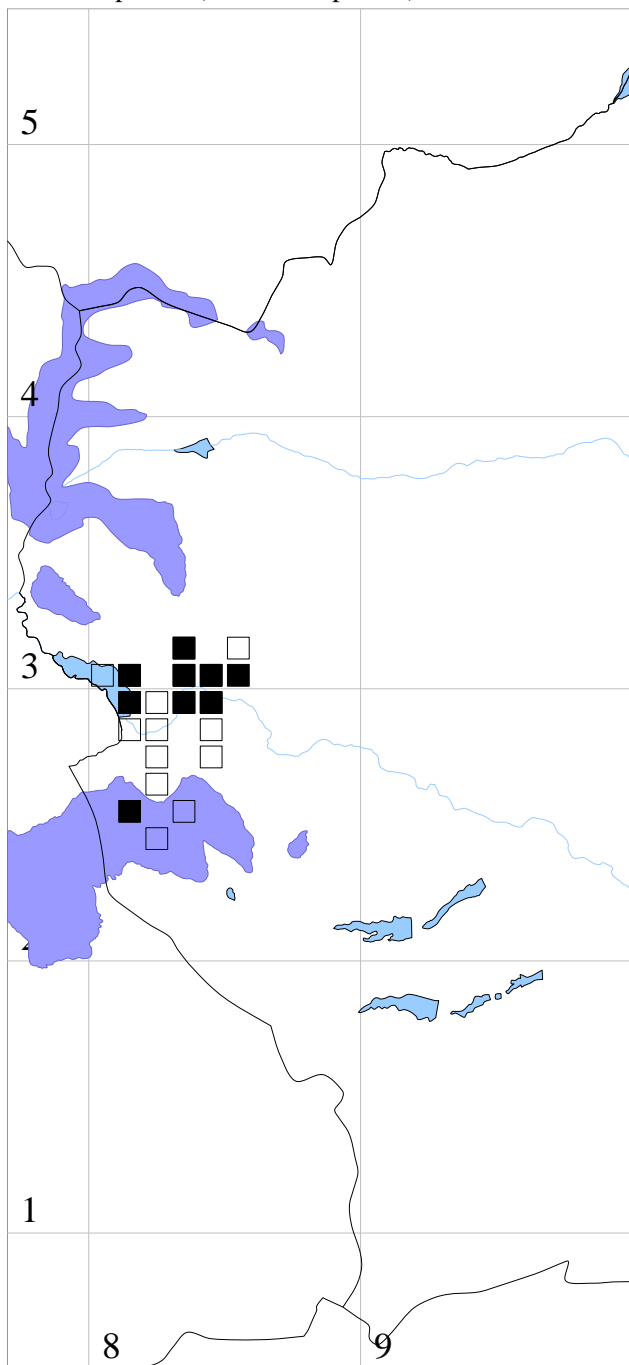
# ***Tofieldia pusilla* Scottish Asphodel**

National Status      A "Scottish" species  
County Status        Scarce

This species is included in the Rare Plant Register because, while it is not scarce in Great Britain, Durham has most of the English population.

In montane flushes and by upland burns in upper Teesdale.

*Tofieldia pusilla* (Scottish Asphodel)



07/08/09	NY850300	Allotment SW of Sayer Hill	John O'Reilly
30/06/06	NY8429	Cetry Bank	Wood, D & Woods, M
	NY815305	Cow Green	

02/07/95	NY816295	Cow Green	Young, G.
22/08/07	NY8125	Cow Green	A & G Young
01/06/03	NY817296	Red Sike	A & G Young
18/06/06	NY82P	Cronkley Fell	CNFC
1974	NY820281	Falcon Clints	Gibbons, Dr R.B.
12/08/09	NY84128 30954	Sand Sike	John O'Reilly
08-Jul-09	NY84338 30938	Sand Sike	John O'Reilly
26-Jun-91	NY818294	Widdybank	Rich, Dr T.
1976	NY809303	Widdybank Fell	M Bradshaw & Alison Jones
	NY810303		
	NY810304		
	NY811303		
	NY811304		
	NY812303		
	NY812304		
	NY813294		
	NY813295		
	NY813296		
	NY813303		
	NY813304		
	NY814293		
	NY814294		
	NY814295		
	NY814296		
	NY814301		
	NY814303		
	NY814304		
	NY815292		
	NY815293		
	NY815295		
	NY815296		
	NY818290		
	NY819289		
	NY819290		
	NY820288		
	NY820289		
	NY821289		
	NY821290		
03-Jul-09	NY8331	Widdybank Fell	M Schober
15-Sep-81	NY846302	Widdybank Pasture	Graham, Rev G G.
2008	NY837299	Widdybank Pasture	Jeremy Roberts
	NY847304		
01-Jul-84	NY839299	Widdybank Pasture	Graham, Rev G G.
27-Jul-96	NY8330	Widdybank Pasture	McCutcheon D.E.

***Torilis nodosa***      **Knotted Hedge-Parsley**

National Status      None  
County Status      Scarce

16 Jun 1999	NZ506247	Greatham Creek	Jenkins, Mr J.
16 Jul 1977	NZ511254	Greatham Creek	Moses, Mrs P.
14 Jun 1996	NZ510252	ICI Number 4	Coles, A.
	NZ517245	Brinefields	
06 Jan 1993	NZ4011	Aislaby Wood	Lowe, Dr C.
06 Sep 1973	NZ2562	St Josephs Church	Kingston, Miss C.

*Trichophorum cespitosum*  
Northern Deergrass

*Trichophorum x foersteri*

National Status      Nationally Rare  
County Status      Rare

The hybrid was identified from a British Museum specimen from Widdybank, collected in 1905, by T J Foggitt.

Both Northern Deergrass and the hybrid were discovered at Widdybank Pasture in 2008, (J Roberts) and at Red Syke, NY8129, in 2010 (MEB).

The distribution of this plant in County Durham is still largely unknown.

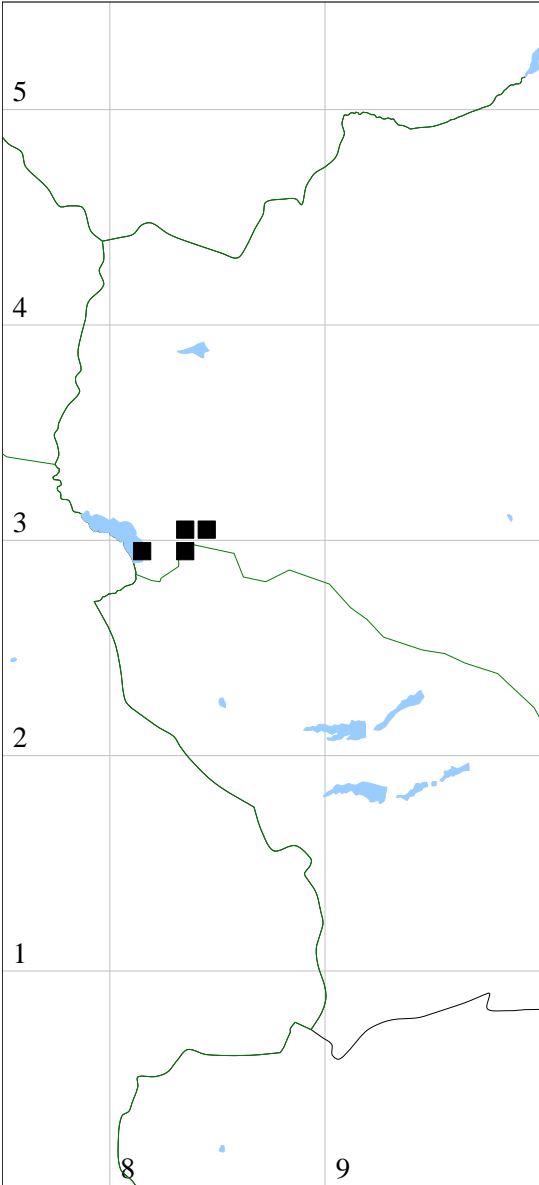
Species

2008	NY837299	Widdybank Fell	Jeremy Roberts
2008	NY847304	Widdybank	Jeremy Roberts
2008	NY837304	Widdybank	Jeremy Roberts
2008	NY835303	Widdybank	Jeremy Roberts
2008	NY842301	Widdybank Pasture	Jeremy Roberts
2010	Ny8129	Red Syke	MEB

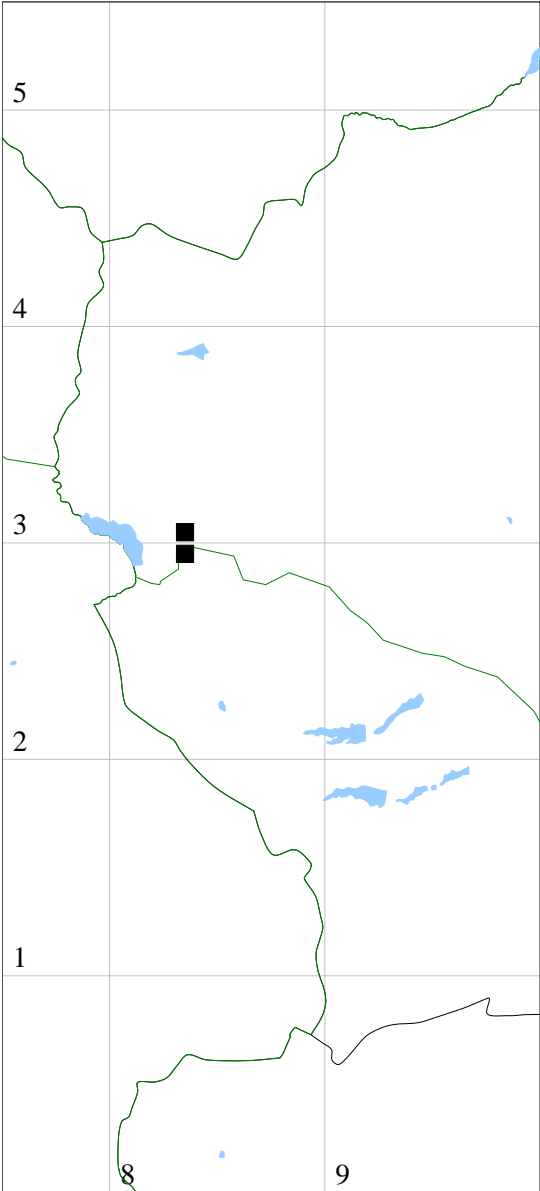
Hybrid

2008	NY837299	Widdybank Fell	Jeremy Roberts
2008	NY837304	Widdybank	Jeremy Roberts

Trichophorum cespitosum subsp. cespitosum (Deergrass)



Trichophorum cespitosum nothosubsp. foersteri (T. cespitosum sub



***Trifolium striatum* Knotted Clover**

National Status None  
County Status Scarce, declining.

The Usworth record is from a “wild flower seed mix”

07/06/70	NZ291146	Darlington	Burnip, M.
Jun-72	NZ272411	Durham	Silverside, Dr A.J.
15/06/85	NZ4835	Hart Station	Appleyard, P.R.
21/08/09	NZ319587	Usworth	J L Durkin
1986	NZ402645	Whitburn Golf Course	Durkin, J.
1997	NZ402644	Whitburn Golf Course	Durkin, J.

***Valerianella dentata*  
Narrow-fruited Cornsalad**

National Status Endangered  
County Status Rare

The most recent record is in 1974.

11/09/74	NZ363145	High Goosepool	Burnip, M.
----------	----------	----------------	------------

***Ulex gallii* Western Gorse**

National Status None  
County Status Rare

04 Sep 76	NZ133395	Hedleyhope Colliery	Graham, Mrs P.S.
15 Sep 77	NZ270431	D.L.I. Museum	Hall, Mr D.

***Vandenboschia speciosa*  
Killarney Fern**

National Status Vulnerable. Habs Regs.  
County Status Rare

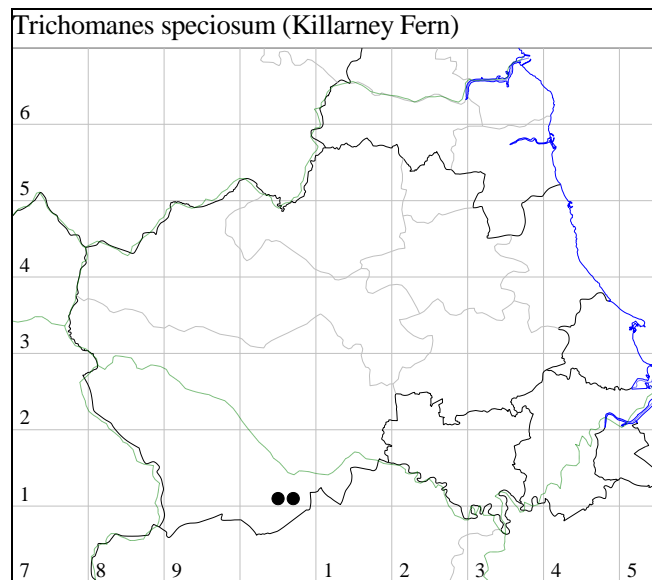
Known only from the Brignall Banks area of the River Greta. There is similar habitat elsewhere in Teesdale and at the Derwent Gorge NNR.

29/11/99	NZ062108	Gill Beck, Brignall Banks	A D Headley
29/11/99	NZ055103	Hening Wood, Brignall Banks	A D Headley

***Utricularia vulgaris*  
Greater Bladderwort**

National Status None  
County Status Rare

24/04/2011	Ryton Willows, Glebe Pond	NZ1523 6495	J L Durkin
Jul 1968	Slapestone Sike	NY8130	Bellamy, Prof D.J.
26 Aug 1996	Stargate	NZ1663	McCutcheon D.E.



## **Verbascum lychnitis      White Mullein**

National Status      Scarce  
County Status      Rare

10/07/09	NZ2461	Gateshead	J L Durkin
10/07/09	NZ2557	Tyne Yard	J L Durkin
10/07/09	NZ2656	Tyne Yard	J L Durkin
1999	NZ344140	Stockton-Darlington Railway Track, plum trees area	David Green





***Veronica anagallis-aquatica***  
**Blue Water-speedwell**

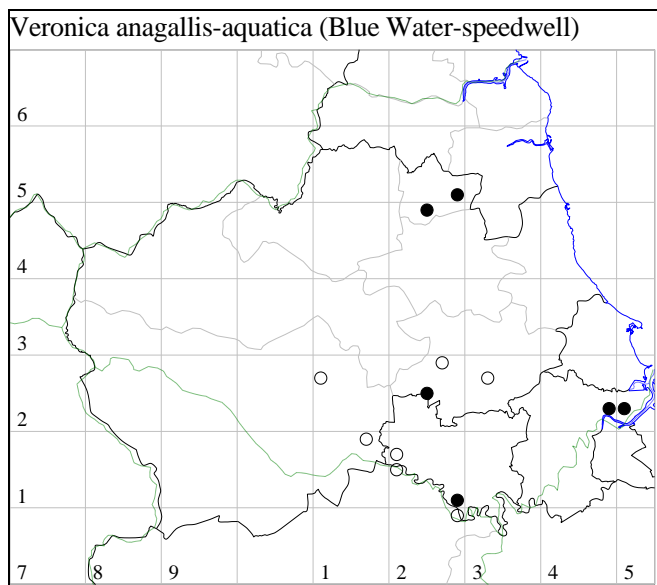
National Status      None  
County Status      Scarce, declining as a native, but often planted.

01-Jul-04	NZ257242	School Aycliffe LNR	J L Durkin
01-Jun-04	NZ284500	Chester le Street riverside pond	J L Durkin
15-Jun-04	NZ249491	Waldrige Fell Ponds	J L Durkin
17-Jul-71	NZ1619	Langton	Wood Mrs M
23/08/75	NZ290094	Hurworth Place	Burnip, M.
07-Jul-75	NZ322261	Mordon	Wiggington, M.J.
20-Jun-74	NZ2629	Paddock Plantation Pond	Stobbs J.H.
29-Jul-73	NZ204164	High Carlbury	Burnip, M.
07/05/74	NZ104268	Loop	Lawley, M.
28/08/08	NZ4922	Haverton Hill	J L Durkin
28/08/08	NZ5022	Saltholme Pools	J L Durkin
21-Jul-09	NZ2810	Hell Kettles	Simpson, G & Dyke, J

***Vicia lathyroides***      **Spring Vetch**

National Status      None  
County Status      Rare

02 May 1972	NZ499356	Hartlepool North Sands	Mcandrew, RT
02 May 1972	NZ502352	Hartlepool Slake	GGG
30 Jul 2000	NZ5328	Seaton Sands	DTNFC



***Vicia sylvatica*****Wood Vetch**

National Status  
County Status

None  
Scarce, declining.

***Viola canina*****Heath Dog Violet**

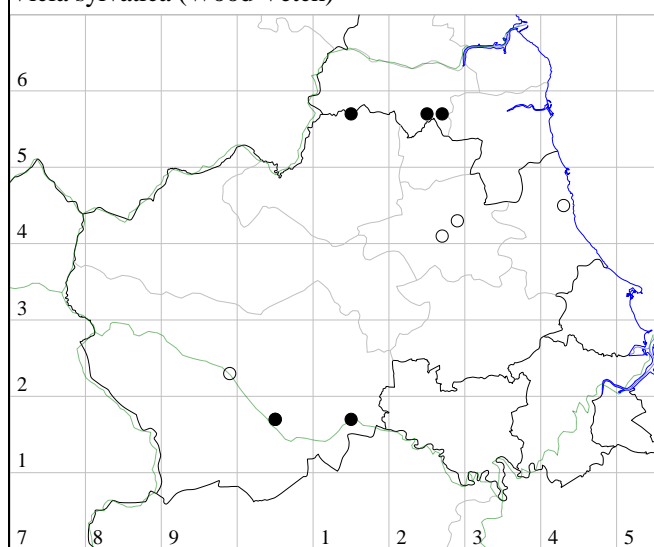
National Status  
County Status

Near Threatened  
Scarce

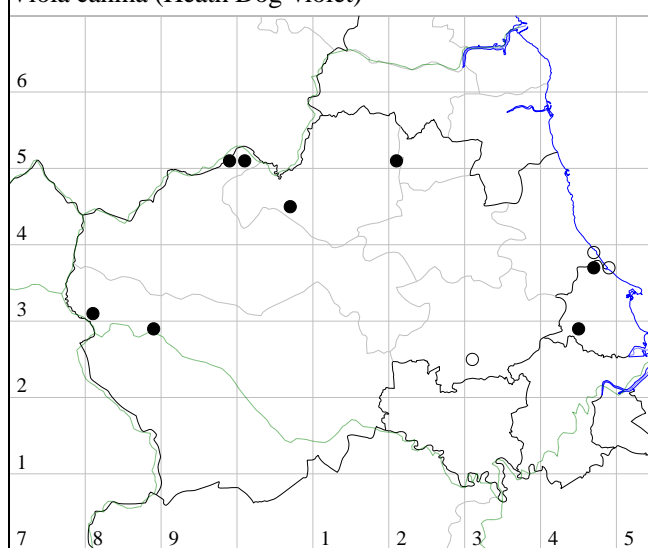
10-Jun-98	NZ142162	Winston Bridge	DTNFC
05-Aug-73	NZ047171	Flatts Wood	McAndrew, R.T.
20-Aug-72	NZ047169	Flatts Wood	Burnip, M.
02-Jul-92	NZ044170	Flatts Wood	Peacock, H.
23-Jun-94	NZ046169	Flatts Wood	Sykes, M.
1991	NZ157575	Lintzford	Boyce, R.
1972	NZ2842	Pelaw Wood	Halfhide JE
15-Jul-09	NZ258571	Tyne Yard	J L Durkin
15-Jul-09	NZ260569	Tyne Yard	J L Durkin

07/05/05	NY8130	Widdybank Fell	DTNFC
29/05/03	NY891284	B6277, W of Ettersgill junction, N verge	Keith Bowie, Keith Cunningham, Frank Daly.
05/06/03	NY983519	N of Carrick's Corner, minor road, east verge.	Keith Bowie, Keith Cunningham, Frank Daly.
05/06/03	NZ001511	B6306, S of Pow Hill Country Park, east verge.	Keith Bowie, Keith Cunningham, Frank Daly.
Jun-04	NZ070444	Burnhill Junction & Longburn Ford LWS 1.51	Stobbs, J. et al.
May-02	NZ207508	Ousterley Wood LWS 1.50	John Durkin and Julie Stobbs
Jun-77	NZ3125	Bradbury Carrs	Bradshaw M
06/07/00	NZ4428	Sunderland Lodge Wood	Graham Megson
May-00	NZ4736	Hart railway	Graham Megson
Sep-72	NZ4836	Crimdon Dene	GGG

*Vicia sylvatica* (Wood Vetch)



*Viola canina* (Heath Dog-violet)



## ***Viola rupestris*      Teesdale Violet**

National Status      Nationally Rare  
County Status      Rare

Open and eroded areas in short turf on the sugar limestone of Widdybank Fell. Formerly also at Slapestone Sike, now under the Cow Green Reservoir.

County Durham has a significant proportion of the national distribution of this species.

**Conservation-** All of the sites are in the Upper Teesdale Nature Reserve.

21/05/08	NY817296	Cow Green Nature Trail, Exclosure	Ann & Gordon Young
Jul-05	NY820281	Falcon Clints	J L Durkin
1995	NY8130	Rod's Vein	Findlay, I.
1974	NY813305	Slapestone Sike	Gibbons, Dr R.B.
01-Jul-06	NY819291	Widdybank Fell	Wood, D& Woods, M
02-Jul-93	NY8229	Widdybank Fell	Wood, Mr D.C.
21/05/08	NY81812938	Widdybank Fell, clearing up from Red Sike	Ann & Gordon Young
15/09/09	NY824295	Above Wild Scar	M Schober
1976	NY810302	Widdybank Fell	M Bradshaw & Alison Jones
	NY810303		
	NY811302		
	NY812302		
	NY814296		
	NY814297		
	NY815295		
	NY815296		
	NY815297		
	NY816294		
	NY817290		
	NY817291		
	NY818289		
	NY818290		
	NY818291		
	NY819289		
	NY819290		
	NY820288		
	NY820289		
	NY821288		

## ***Viola rupestris x riviniana* Hybrid Violet**

National Status      Vulnerable  
County Status      Rare

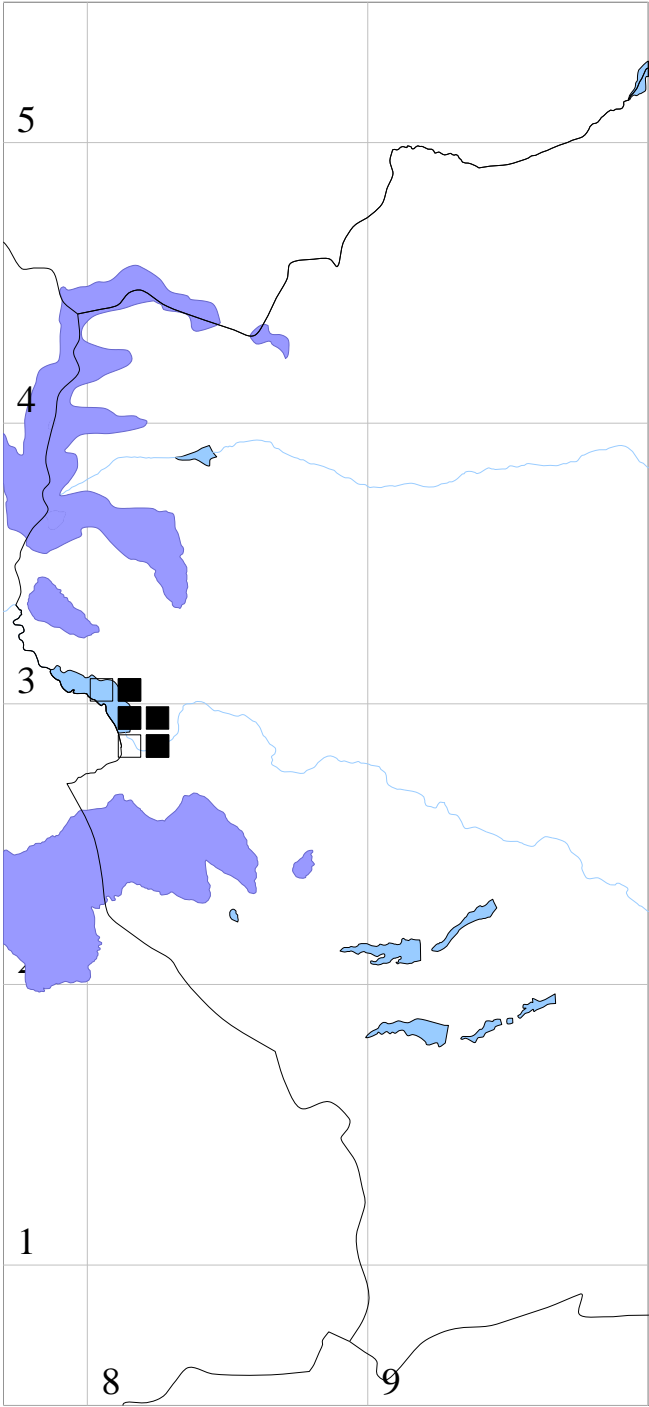
County Durham has a significant proportion of the national distribution of this hybrid.

On the sugar limestone at Widdybank Fell with the *rupestris* parent. There are no recent records.

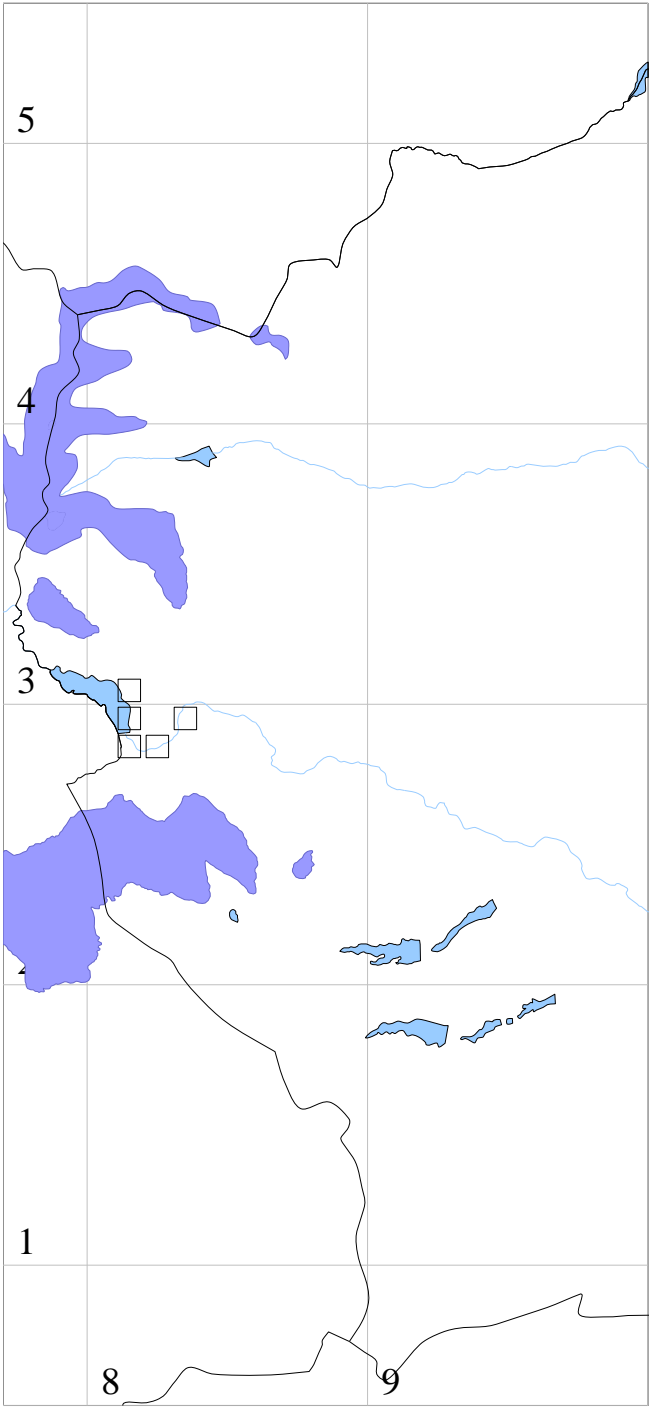
**Conservation-** Most of the sites are in the Upper Teesdale Nature Reserve.

1972	NY820281	Falcon Clints	Gibbons, Dr R.B.
1977	NY8329	Widdybank Farm	Bradshaw, Dr ME
1976	NY814297	Widdybank Fell	M Bradshaw & Alison Jones
	NY810302		
	NY810303		
	NY820288		
	NY820289		
	NY819289		
	NY818290		

*Viola rupestris* (Teesdale Violet)



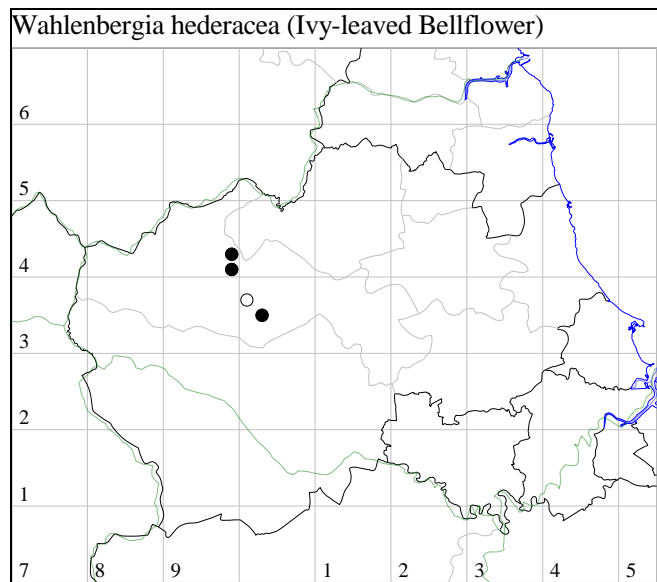
*Viola x burnatii* (*V. riviniana* x *rupestris*)



***Wahlenbergia hederacea***  
**Ivy-leaved Bellflower**

National Status      Near Threatened  
 County Status        Scarce

Well established in Weardale, in the upper part of Stanhope Burn and at Fine Burn.



1979	NY980434	Stanhope Burn	Bowman J
05/09/98	NY9840	Burnhope Burn	McCutcheon, D.E.
25/07/98	NY984(5)429(0)	Stanhope Burn	A and G Young
27/07/08	NY985419	Stanhope Burn	Andy Mclay
	NY985421		
31/07/02	NY985(5)428(0) NY985(0)428(5)	Stanhope Burn	A & G Young
17/05/67	NZ0235	White Kirkley	Burnip, M.
Jul-91	NZ025344	Fine Burn LWS 3.0.8	Valerie Standen



Photographed in County Durham  
 by UKWildflowers.com

### ***Woodsia ilvensis*, Oblong Woodsia**

National Status      Endangered  
Local Status        Rare, re-introduced

County Durham has a significant proportion of the national distribution of this species.

This fern was known from Falcon Clints and from Cronkley Scar from 1821 until the last specimens were collected, perhaps as late as 1950.

It has recently been re-introduced by Natural England to some of its former sites, using plants of Scottish, Welsh and Lake District origin.

**Conservation-** All of the sites are in the Upper Teesdale Nature Reserve.



### ***Zostera marina*      Common Eel Grass**

National Status      Near Threatened  
County Status        Extinct

Edges of salt marshes.

No recent records

### ***Zostera noltii*      Dwarf Eelgrass**

National Status      Vulnerable  
County Status        Extinct

Edges of salt marshes.

No recent records

2011	NY8160028477	Falcon Clints, behind old sheep-fold	John Liam Durkin
2011	NY8328	Cronkley Fell	John Liam Durkin



## Bibliography

**Baker, J.G. & Tate, G.R.** (1868) *A new flora of Northumberland and Durham, with sketches of its climate and physical geography*. *Trans. Nat. Hist. Soc. Northumb.*, 2, 1-316. (available in modern reprints and downloads).

**Bradshaw, Margaret E.** (ed) (2003) *The Natural History of Upper Teesdale* Durham Wildlife Trust

**Cope, Tom and Gray, Alan** (2009) *Grasses of the British Isles* BSBI

**Durham Wildlife Trust** (2007) *MAGical Meadows and the Durham Magnesian Limestone*. Durham Wildlife Trust.

**Graham, G. G.**, (1988). *The Flora and Vegetation of County Durham*, Durham County Conservation Trust.

**Lawrence, Ian** (1994) *A Guide to the Wild Flowers of Cleveland* Cleveland County Council

**Lowe, Christopher**, (1990) *Plants of Upper Teesdale* Christopher Lowe

**Rose, F & O'Reilly C** (2006). *The Wild Flower Key*. Frederick Warne, London.

**Stace, C.** (2010). *New Flora of the British Isles*. Cambridge University Press, Cambridge. 3rd ed.

**Stewart, A, Pearman, D A and Preston, C D** (1994) *Scarce Plants in Britain* JNCC

**Swan, G. A.**, (1993). *Flora of Northumberland*. The Natural History Society of Northumbria, Newcastle-upon-Tyne.

**Wigginton, M J** (1999) *British Red Data Books 1 Vascular Plants* JNCC

**Winch, N. J, Thornhill, J and Waugh, R.** (1805) *"The botanists guide through the counties of Northumberland and Durham"*. Hodgson.

**Winch, N.J.** (1831) *Flora of Northumberland and Durham*. T. & J. Hodgson. Newcastle. (available as a download pdf from Flora of North East England)

# Site Index

**Beacon Hill**, 12, 53, 81, 91, 117  
**Billingham Bottoms**, 14, 53, 103, 139  
**Bishop Auckland**, 29, 37, 79  
**Bishop Middleham**, 53, 58, 59, 129, 132  
**Bishop Middleham Quarry**, 58, 81  
**Blackhall**, 30, 34, 37, 51, 80, 81, 86, 117, 123, 126  
**Blackhall Rocks**, 30, 37, 51, 80, 81, 86, 117, 123, 126  
**Blue House Gill**, 34, 51, 117, 123  
**Bollihope**, 87, 96, 98  
**Bowlees**, 17, 24, 37, 46, 109, 115, 120, 137  
**Brasside**, 86, 102, 105  
**Brockers Gill**, 17, 18, 24, 25, 27, 28, 102  
**Burnhope Head**, 129, 131  
**Burnhope Reservoir**, 83  
**Burnhope Seat**, 57, 131

**Cassop Vale**, 8, 34, 46, 47, 53, 58, 117, 132  
**Castle Eden Dene**, 8, 50, 81, 101, 104, 110, 123, 124, 126, 132  
**Cauldron Snout**, 28, 57, 115  
**Cetry Bank**, 36, 37, 42, 43, 61, 62, 70, 71, 73, 82, 89, 119, 121, 135, 142  
**Chopwell**, 79, 124  
**Cornriggs**, 17  
**Cow Green**, 29, 41, 42, 70, 73, 82, 96, 102, 119, 129, 141, 142, 149  
**Crimdon Dene**, 12, 34, 103, 126, 148  
**Crimdon Denemouth**, 12, 86  
**Cronkley Bridge**, 18, 37, 38, 62, 73, 118, 121  
**Cronkley Fell**, 42, 43, 44, 55, 59, 65, 72, 75, 76, 85, 87, 89, 96, 110, 115, 118, 135, 141, 142, 152  
**Cronkley Scar**, 22, 28, 72, 87, 110, 111, 115, 152

**Darlington**, 7, 10, 15, 46, 47, 112, 117, 146  
**Dead Stones**, 128, 129, 131  
**Dent Bank**, 22, 24, 28, 37, 115  
**Dine Holm Scar**, 137

**Eaglescliffe**, 29, 140  
**Eggleston**, 18, 22, 24, 27, 28, 37, 87, 96, 115, 120, 124, 135  
**Egglestone Abbey**, 37, 79, 124, 135  
**Falcon Clints**, 36, 37, 42, 43, 62, 65, 70, 82, 85, 87, 89, 93, 95, 96, 110, 111, 113, 114, 115, 118, 129, 135, 141, 142, 149, 152

**Flatts Wood**, 24, 27, 37, 79, 81, 135  
**Folly Top**, 18, 24  
**Force Garth**, 22, 24, 26  
**Forest-in-Teesdale**, 24, 42, 52, 61, 65, 87, 98, 119  
**Foxholes**, 34

**Gateshead**, 4, 10, 11, 130, 136, 140, 146  
**Gibside**, 11, 79, 93, 124  
**Great Wood**, 22, 37, 115, 120, 135  
**Greatham**, 12, 13, 14, 35, 125  
**Greatham Creek**, 35, 125  
**Greenabella**, 14, 34

**Hamsterley**, 9, 19, 23, 67, 87, 93, 115, 123  
**Hamsterley Forest**, 9, 67, 87, 93, 115, 123  
**Hannah's Meadows**, 18, 52  
**Hart Warren**, 12, 34, 53, 60, 81, 92, 100, 116  
**Hartlepool**, 10, 12, 13, 47, 116, 126  
**Hartlepool Golf Course**, 116, 126  
**Hartlepool Slake**, 12, 47, 126  
**Harton Downhill**, 10, 91  
**Harwood**, 8, 18, 22, 24, 25, 28, 42, 61, 70, 73, 96, 102, 106, 114, 119, 121, 131  
**Hawthorn**, 3, 8, 50, 53, 81, 101, 104, 124, 126, 141  
**Hells Kettles**, 103  
**High Force**, 27, 37, 49, 61, 71, 86, 87, 88, 93, 110, 115, 121, 135, 137, 138  
**Holwick**, 22, 24, 27, 28, 73, 87, 115, 137  
**Holwick Head Bridge**, 22, 28, 115  
**Holwick Scars**, 87, 137  
**Horden**, 34, 50, 51, 81  
**Horsleyhope**, 52, 101, 109

**Ireshopeburn**, 19, 56

**Killhope**, 96, 98, 102  
**Kilmond Scar**, 91, 135  
**Knitsley Fell**, 69, 87, 93

**Lands Wood**, 79  
**Langdon Beck**, 17, 18, 22, 23, 24, 25, 28, 36, 37, 38, 70, 71, 73, 89, 96, 119, 120, 121, 135  
**Low Force**, 37, 73, 137

**Marsden Hall Quarry**, 133, 140  
**Mickle Fell**, 44, 72, 96, 97, 98, 128, 129  
**Middleton in Teesdale**, 18, 22, 25, 38, 62, 106, 124  
**Middleton Quarry**, 38, 75, 118

**Nag's Head**, 131  
**Newbiggin**, 25, 27, 46, 93, 102  
**North Gare**, 12, 34, 39, 126

**Paddock Hill**, 79  
**Path Head Quarry**, 130  
**Peghorn Lodge**, 36, 38, 82, 96, 106, 131  
**Pike Whin**, 139  
**Pittington**, 53, 81, 133  
**Pont Burn Wood**, 79

**Raisby**, 34, 53, 56, 58, 133  
**Red Sike**, 43, 62, 85, 95, 96, 119, 135, 142, 149  
**Redcar Carrs**, 139  
**River Tees**, 2, 8, 18, 22, 31, 33, 35, 38, 41, 52, 62, 88, 93, 115, 116, 121, 124, 135, 137  
**Rookhope Burn**, 27, 61  
**Running Waters**, 53, 58, 133  
**Ryton Willows**, 11, 29, 80

**Sand Sike**, 38, 42, 62, 70, 119, 142  
**Seal Sands**, 12, 14, 34  
**Seaton Carew**, 34, 77, 80, 122, 126  
**Seaton Sands**, 13, 122  
**Slapestone Sike**, 62, 82, 85, 93, 119, 135, 149  
**Slit Wood**, 46, 96  
**South Tyneside**, 10, 103  
**Stanhope Burn**, 151  
**Stargate**, 145  
**Stockton**, 10, 14, 15, 35, 146  
**Sunderland**, 10, 12, 35, 39, 49, 148  
**Sunderland Cleugh**, 49

**Swinhope**, 19, 26, 75

**Temple Park**, 99  
**The Stang**, 129, 135  
**Thornley Wood**, 74, 79, 80  
**Thrislington**, 8, 43, 46, 53, 58, 91, 109, 117, 134  
**Town Kelloe**, 117, 134  
**Tunstall Hills**, 34, 53, 54, 81, 91, 134  
**Tunstall Reservoir**, 19, 83  
**Tyne Yard**, 11, 67, 146

**Underhurth**, 26

**verge**, 17, 18, 19, 21, 23, 24, 25, 26, 27, 46, 49, 52, 69, 87, 91, 96, 98, 132, 133, 141, 148

**Warren House**, 34  
**West Newlandside**, 49, 52  
**Westgate**, 19, 20, 21, 101  
**Whey Sike**, 36, 65, 89, 119, 120  
**Whorlton**, 38, 77, 79, 135  
**Widdybank**, 18, 22, 26, 28, 36, 37, 38, 42, 43, 52, 61, 62, 65, 70, 73, 82, 85, 88, 89, 95, 106, 110, 116, 118, 119, 131, 135, 141, 142, 144, 148, 149  
**Widdybank Fell**, 114, 118, 142, 149  
**Wildscar**, 36, 42  
**Winch Bridge**, 8, 9, 18, 26, 27, 28, 33, 38, 49, 61, 62, 82, 88, 94, 102, 109, 114, 115, 116, 120, 135, 137  
**Wingate Quarry**, 117, 134  
**Winston**, 38, 124  
**Witton-le-Wear**, 46, 96  
**Wolsingham**, 20, 38, 69, 96  
**Wylam**, 11, 29, 60